

L Number	Hits	Search Text	DB	Time stamp
1	217	(549/29).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 15:46
2	290	(549/49).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 15:47
3	265	(549/429).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 16:31
4	394	(549/462).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 15:47
5	729	(514/438).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 16:32
6	756	(514/443).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 16:33
7	608	(514/461).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 16:33
8	359	(514/464).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 16:33

V. Balasubramanian

Welcome to STN International! Enter x:x

LOGINID:ssspta1611bxv

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Apr 08	"Ask CAS" for self-help around the clock
NEWS 3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4	Apr 09	ZDB will be removed from STN
NEWS 5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS 9	Jun 03	New e-mail delivery for search results now available
NEWS 10	Jun 10	MEDLINE Reload
NEWS 11	Jun 10	PCTFULL has been reloaded
NEWS 12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS 13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
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NEWS 15	Jul 30	NETFIRST to be removed from STN
NEWS 16	Aug 08	CANCERLIT reload
NEWS 17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18	Aug 08	NTIS has been reloaded and enhanced
NEWS 19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 23	Sep 03	JAPIO has been reloaded and enhanced
NEWS 24	Sep 16	Experimental properties added to the REGISTRY file
NEWS 25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27	Oct 21	EVENTLINE has been reloaded
NEWS 28	Oct 24	BEILSTEIN adds new search fields
NEWS 29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS 31	Nov 18	DKILIT has been renamed APOLLIT
NEWS 32	Nov 25	More calculated properties added to REGISTRY
NEWS 33	Dec 02	TIBKAT will be removed from STN
NEWS 34	Dec 04	CSA files on STN
NEWS 35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36	Dec 17	TOXCENTER enhanced with additional content
NEWS 37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 38	Dec 30	ISMEC no longer available
NEWS 39	Jan 13	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 40	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS 41	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS 42	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 43	Feb 13	CANCERLIT is no longer being updated
NEWS 44	Feb 24	METADDEX enhancements

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NEWS 45 Feb 24 PCTGEN now available on STN  
NEWS 46 Feb 24 TEMA now available on STN  
NEWS 47 Feb 26 NTIS now allows simultaneous left and right truncation  
NEWS 48 Feb 26 PCTFULL now contains images  
NEWS 49 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,  
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 14:30:09 ON 09 MAR 2003

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 14:30:16 ON 09 MAR 2003  
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STRUCTURE FILE UPDATES: 7 MAR 2003 HIGHEST RN 497212-14-3  
DICTIONARY FILE UPDATES: 7 MAR 2003 HIGHEST RN 497212-14-3

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> ....Testing the current file.... screen

09/817,374

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ENTER SCREEN EXPRESSION OR (END):end

=>  
Uploading C:\STNEXP4\QUERIES\09817174.str

L1 STRUCTURE UPLOADED

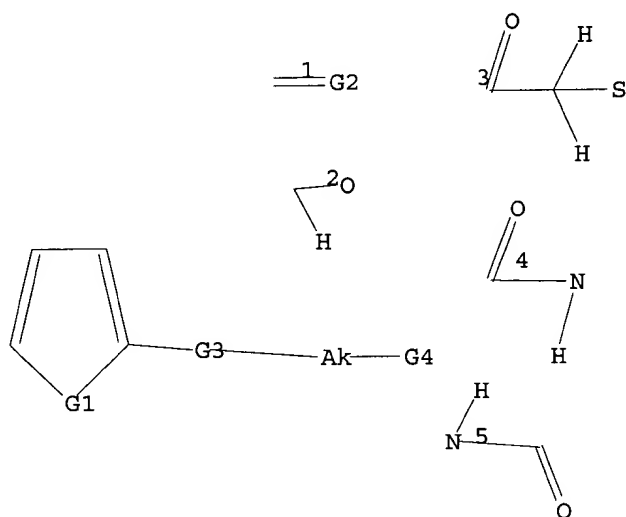
=> que L1

L2 QUE L1

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 O,S

G2 C,O,N

G3 [@1],[@2]

G4 [@3],[@4],[@5]

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam  
SAMPLE SEARCH INITIATED 14:30:42 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 36959 TO ITERATE

2.7% PROCESSED 1000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*INCOMPLETE\*\*  
BATCH \*\*INCOMPLETE\*\*  
PROJECTED ITERATIONS: 727736 TO 750624  
PROJECTED ANSWERS: 0 TO 0

L3 0 SEA SSS SAM L1

09/817,374



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=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.40

0.61

STN INTERNATIONAL LOGOFF AT 14:30:55 ON 09 MAR 2003

V. Balasubramanian

Welcome to STN International! Enter x:x

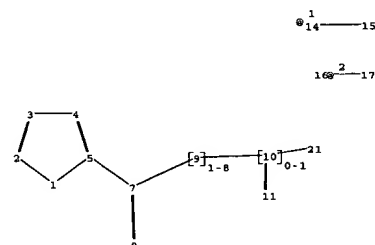
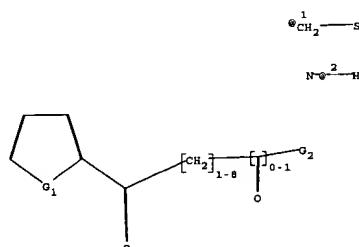
LOGINID:sssptal611bxv

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS	22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	23	Sep 03	JAPIO has been reloaded and enhanced
NEWS	24	Sep 16	Experimental properties added to the REGISTRY file
NEWS	25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
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NEWS	29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS	31	Nov 18	DKILIT has been renamed APOLLIT
NEWS	32	Nov 25	More calculated properties added to REGISTRY
NEWS	33	Dec 02	TIBKAT will be removed from STN
NEWS	34	Dec 04	CSA files on STN
NEWS	35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
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NEWS	40	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS	41	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS	42	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC



chain nodes :

7 8 9 10 11 14 15 16 17 21

ring nodes :

1 2 3 4 5

chain bonds :

5-7 7-8 7-9 9-10 10-11 10-21 14-15 16-17

ring bonds :

1-2 1-5 2-3 3-4 4-5

exact/norm bonds :

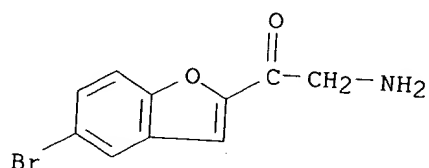
1-2 1-5 2-3 3-4 4-5 5-7 7-8 7-9 9-10 10-11 10-21 14-15 16-17

G1:O,S

G2:[\*1],[\*2]

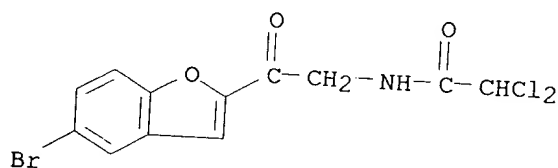
Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS  
 14:CLASS 15:CLASS 16:CLASS 17:CLASS 21:CLASS

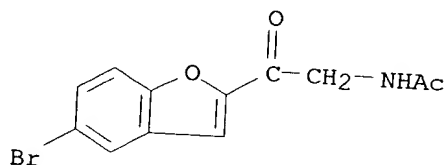


● HCl

IT **82255-79-6P**  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (prepn. and reaction of, with formaldehyde)  
 RN 82255-79-6 CAPLUS  
 CN Acetamide, N-[2-(5-bromo-2-benzofuranyl)-2-oxoethyl]-2,2-dichloro- (9CI)  
 (CA INDEX NAME)



IT **82255-78-5P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of)  
 RN 82255-78-5 CAPLUS  
 CN Acetamide, N-[2-(5-bromo-2-benzofuranyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 289 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1982:34633 CAPLUS  
 DN 96:34633  
 TI An economical and convenient preparation of 2-(phenylthio)cyclobutanone, a synthetic equivalent of cyclobutanone  
 AU Cohen, Theodore; Ouellette, Daniel; Pushpananda, K.; Senaratne, A.; Yu, Lin-Chen  
 CS Dep. Chem., Univ. Pittsburgh, Pittsburgh, PA, 15260, USA  
 SO Tetrahedron Letters (1981), 22(35), 3377-80  
 DT CODEN: TELEAY; ISSN: 0040-4039  
 Journal

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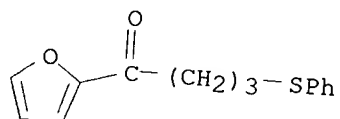
LA English

IT 80404-79-1P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of, by rearrangement of furyl(phenylthio)cyclobutenol)

RN 80404-79-1 CAPLUS

CN 1-Butanone, 1-(2-furanyl)-4-(phenylthio)- (9CI) (CA INDEX NAME)



L5 ANSWER 290 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1982:6738 CAPLUS  
DN 96:6738  
TI Tetrazole derivatives and antiulcer composition containing them  
IN Uchida, Minoru; Nishi, Takao; Nakagawa, Kazuyuku  
PA Otsuka Pharmaceutical Co., Ltd., Japan  
SO Eur. Pat. Appl., 262 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
FAN.CNT 4

PATENT NO.		KIND	DATE	APPLICATION NO.	DATE
PI	EP 35228	A1	19810909	EP 1981-101352	19810225
	EP 35228	B1	19850102		
	R: AT, BE, CH, DE, FR, GB, IT, NL, SE				
	AU 533411	B2	19831124	AU 1980-55895	19800226
	AU 8055895	A1	19810903		
	JP 56122363	A2	19810925	JP 1980-25521	19800229
	JP 01023464	B4	19890502		
	CA 1160637	A1	19840117	CA 1980-346746	19800229
	JP 56122364	A2	19810925	JP 1980-25707	19800301
	JP 01022270	B4	19890425		
	JP 56122365	A2	19810925	JP 1980-25708	19800301
	JP 01028022	B4	19890531		
	JP 56122366	A2	19810925	JP 1980-27084	19800303
	JP 01022271	B4	19890425		
	JP 57050968	A2	19820325	JP 1980-128160	19800916
	JP 02048551	B4	19901025		
	JP 57059877	A2	19820410	JP 1980-136902	19800930
	JP 02003786	B4	19900124		
	JP 57064682	A2	19820419	JP 1980-140051	19801006
	JP 01056069	B4	19891128		
	ZA 8100961	A	19820331	ZA 1981-961	19810213
	ZA 8101178	A	19820331	ZA 1981-1178	19810223
	FI 8100571	A	19810830	FI 1981-571	19810224
	FI 73423	B	19870630		
	FI 73423	C	19871009		
	AU 8167638	A1	19810903	AU 1981-67638	19810225
	AU 537266	B2	19840614		
	AT 11047	E	19850115	AT 1981-101352	19810225
	DK 8100880	A	19810830	DK 1981-880	19810226

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NEWS 43 Feb 13 CANCERLIT is no longer being updated  
NEWS 44 Feb 24 METADEX enhancements  
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NEWS 46 Feb 24 TEMA now available on STN  
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NEWS 49 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,  
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 17:11:27 ON 09 MAR 2003

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 17:11:40 ON 09 MAR 2003

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STRUCTURE FILE UPDATES: 7 MAR 2003 HIGHEST RN 497212-14-3

DICTIONARY FILE UPDATES: 7 MAR 2003 HIGHEST RN 497212-14-3

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties

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in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\STNEXP4\QUERIES\098173742.str

L1 STRUCTURE UPLOADED

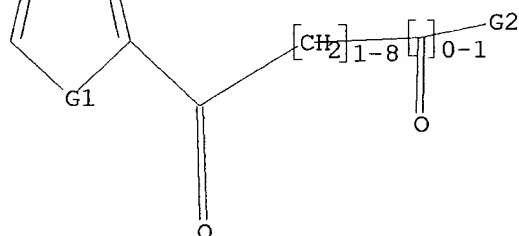
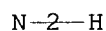
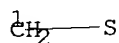
=> que L1

L2 QUE L1

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 O,S

G2 [@1],[@2]

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 17:12:05 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 7267 TO ITERATE

13.8% PROCESSED 1000 ITERATIONS

2 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 140233 TO 150447

09/817,374

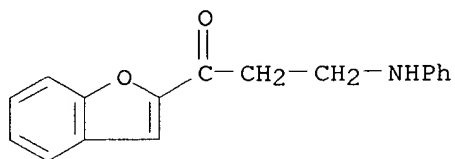
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PROJECTED ANSWERS: 62 TO 518

L3 2 SEA SSS SAM L1

=> d scan

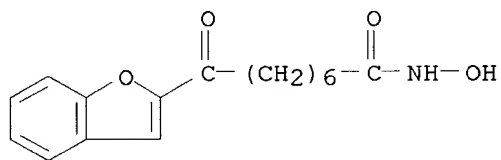
L3 2 ANSWERS REGISTRY COPYRIGHT 2003 ACS  
IN 1-Propanone, 1-(2-benzofuranyl)-3-(phenylamino)- (9CI)  
MF C17 H15 N O2



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L3 2 ANSWERS REGISTRY COPYRIGHT 2003 ACS  
IN 2-Benzofuranooctanamide, N-hydroxy-.eta.-oxo- (9CI)  
MF C16 H19 N O4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

=> s l1 sss ful  
FULL SEARCH INITIATED 17:12:44 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 145835 TO ITERATE

100.0% PROCESSED 145835 ITERATIONS  
SEARCH TIME: 00.00.01

533 ANSWERS

L4 533 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

09/817,374



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	ENTRY	SESSION
FULL ESTIMATED COST	148.55	148.76

FILE 'CAPLUS' ENTERED AT 17:12:51 ON 09 MAR 2003  
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FILE COVERS 1907 - 9 Mar 2003 VOL 138 ISS 11  
FILE LAST UPDATED: 7 Mar 2003 (20030307/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 14

L5 409 L4

=> d 15 1-409 bib hitstr

L5 ANSWER 1 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2003:58051 CAPLUS  
DN 138:136938  
TI Preparation of N-(3-amino-2-hydroxy-propyl) substituted alkanamides as inhibitors of the beta secretase enzyme for treating Alzheimer's disease  
IN Gailunas, Andrea; Hom, Roy; John, Varghese; Maillard, Michel; Chrusciel, Robert Alan; Fisher, Jed; Jacobs, Jon; Freskos, John N.; Brown, David L.; Fobian, Yvette M.  
PA Elan Pharmaceuticals, Inc., USA; Pharmacia & Upjohn Company  
SO PCT Int. Appl., 205 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003006423	A1	20030123	WO 2002-US22255	20020711
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,			

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NE, SN, TD, TG

PRAI US 2001-304525P P 20010711  
US 2001-308756P P 20010730  
US 2001-341341P P 20011217  
US 2001-341416P P 20011217  
US 2001-344872P P 20011221  
US 2001-380574P P 20011221

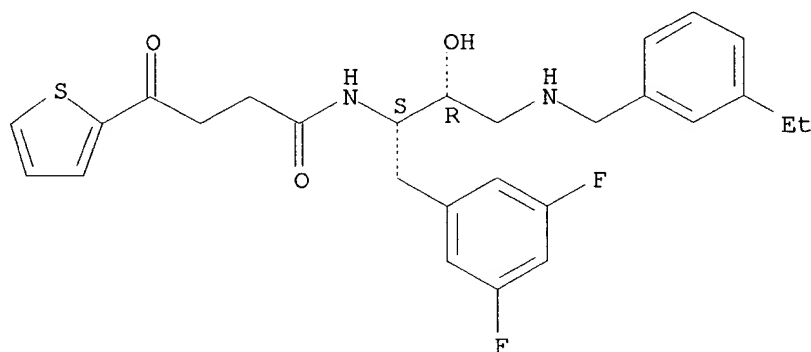
OS MARPAT 138:136938

IT **488845-88-1P 488845-93-8P 488846-10-2P**  
**488846-33-9P**  
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
(Uses)  
(prepn. of N-(3-amino-2-hydroxy-propyl) substituted alkanamides as  
inhibitors of the beta secretase enzyme for treating Alzheimer's  
disease)

RN 488845-88-1 CAPLUS

CN 2-Thiophenebutanamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-3-[[3-ethylphenyl)methyl]amino]-2-hydroxypropyl]-.gamma.-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

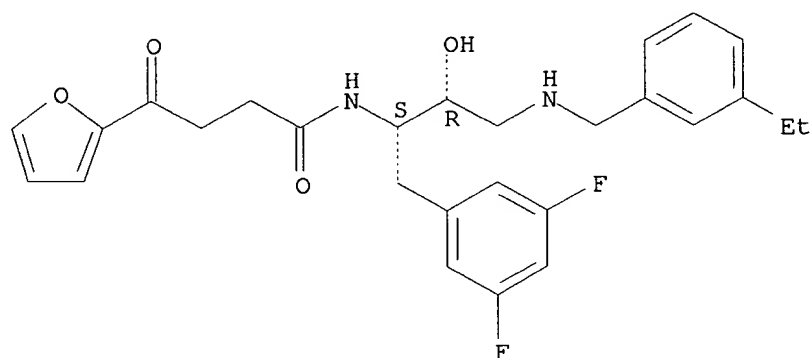


RN 488845-93-8 CAPLUS

CN 2-Furanbutanamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-3-[[3-ethylphenyl)methyl]amino]-2-hydroxypropyl]-.gamma.-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

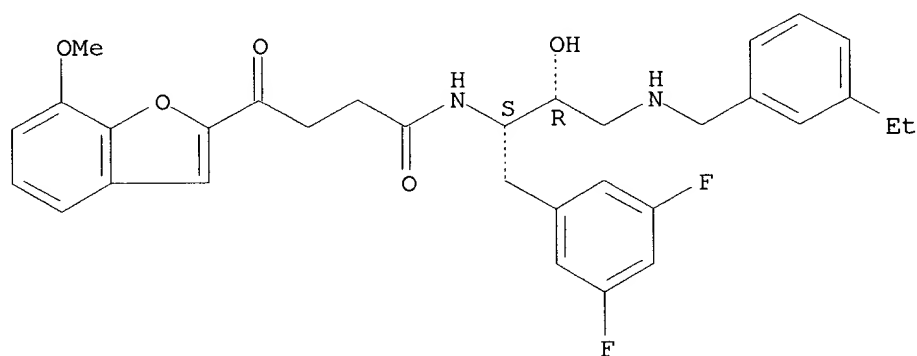
V. Balasubramanian



RN 488846-10-2 CAPLUS

CN 2-Benzofuranbutanamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-3-[[3-ethylphenyl)methyl]amino]-2-hydroxypropyl]-7-methoxy-.gamma.-oxo- (9CI)  
(CA INDEX NAME)

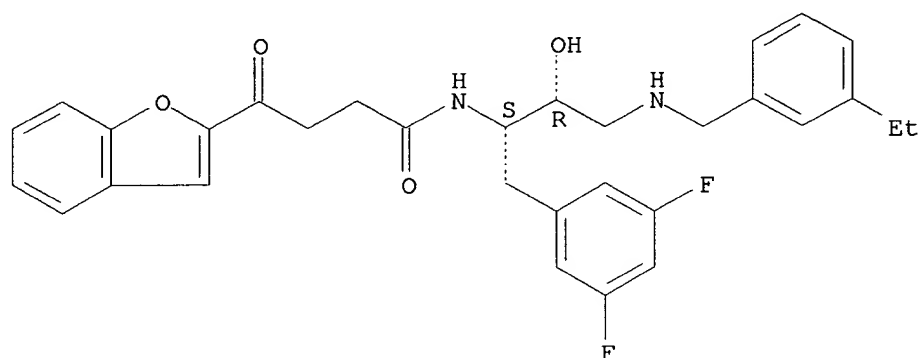
Absolute stereochemistry.



RN 488846-33-9 CAPLUS

CN 2-Benzofuranbutanamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-3-[[3-ethylphenyl)methyl]amino]-2-hydroxypropyl]-.gamma.-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

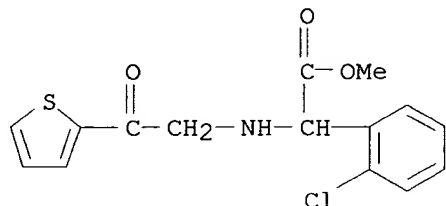
L5 ANSWER 2 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2003:42279 CAPLUS  
DN 138:106680  
TI Process for the preparation of tetrahydrothieno[3,2-c]pyridine derivatives, particularly ticlopidine and clopidogrel, via novel intermediates  
IN Horne, Stephen E.; Weeratunga, Gamini; Comanita, Bogdan M.; Nagireddy, Jaipal Reddy; McConachie, Laura Kaye  
PA Brantford Chemicals Inc., Can.  
SO PCT Int. Appl., 28 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003004502	A1	20030116	WO 2002-CA1017	20020705
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRAI CA 2001-2352520 A 20010706  
OS CASREACT 138:106680; MARPAT 138:106680  
IT **478083-86-2P**, (.+-.)-Methyl N-[2-(2-thienyl)-2-oxoethyl]-2-(o-chlorophenyl)glycinate **478083-89-5P**, Methyl N-[2-(2-thienyl)-2-oxoethyl]-(2S)-2-(o-chlorophenyl)glycinate **478084-01-4P**, Methyl N-[2-(2-thienyl)-2-oxoethyl]-(2R)-2-(o-chlorophenyl)glycinate  
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(process intermediate; prepn. of tetrahydrothienopyridine derivs., particularly ticlopidine and clopidogrel, via novel intermediates)  
RN 478083-86-2 CAPLUS

V. Balasubramanian

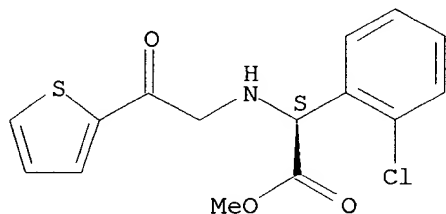
CN Benzeneacetic acid, 2-chloro-.alpha.-[[2-oxo-2-(2-thienyl)ethyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



RN 478083-89-5 CAPLUS

CN Benzeneacetic acid, 2-chloro-.alpha.-[[2-oxo-2-(2-thienyl)ethyl]amino]-, methyl ester, (.alpha.S)- (9CI) (CA INDEX NAME)

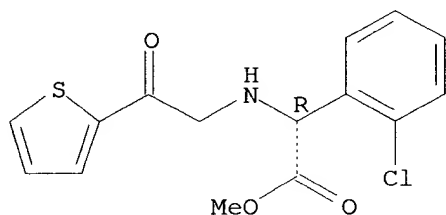
Absolute stereochemistry.



RN 478084-01-4 CAPLUS

CN Benzeneacetic acid, 2-chloro-.alpha.-[[2-oxo-2-(2-thienyl)ethyl]amino]-, methyl ester, (.alpha.R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2002:964323 CAPLUS

DN 138:39285

TI Preparation of 3,5-diaryl-1,2,4-oxadiazoles and analogs as activators of caspases and inducers of apoptosis.

IN Cai, Sui Xiong; Zhang, Han-Zhong; Drewe, John A.; Reddy, P. Sanjeeva; Kasibhatla, Shailaja; Kuemmerle, Jared Daniel; Ollis, Kristin P.

PA Cytovia, Inc., USA

SO PCT Int. Appl., 147 pp.

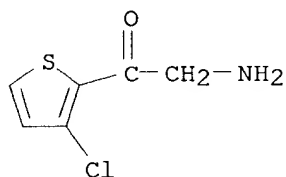
CODEN: PIXXD2

09/817,374

V. Balasubramanian

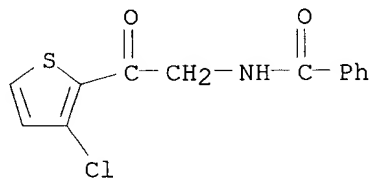
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002100826	A2	20021219	WO 2002-US17892	20020610
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2003045546	A1	20030306	US 2002-164705	20020610
PRAI	US 2001-296479P	P	20010608		
OS	MARPAT 138:39285				
IT	<b>349494-97-9</b>				
	RL: RCT (Reactant); RACT (Reactant or reagent)				
	(prepn. of 3,5-diaryl-1,2,4-oxadiazoles and analogs as activators of caspases and inducers of apoptosis)				
RN	349494-97-9	CAPLUS			
CN	Ethanone, 2-amino-1-(3-chloro-2-thienyl)-, hydrochloride (9CI)	(CA INDEX NAME)			



● HCl

IT **478489-85-9P 478489-86-0P 478489-87-1P**  
**478489-88-2P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. of 3,5-diaryl-1,2,4-oxadiazoles and analogs as activators of caspases and inducers of apoptosis)  
RN 478489-85-9 CAPLUS  
CN Benzamide, N-[2-(3-chloro-2-thienyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

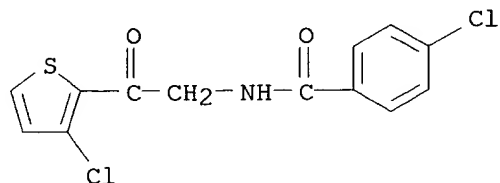


RN 478489-86-0 CAPLUS

09/817,374

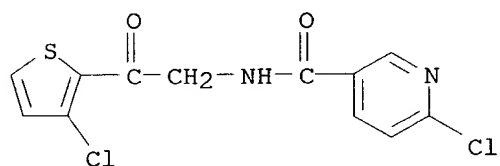
V. Balasubramanian

CN Benzamide, 4-chloro-N-[2-(3-chloro-2-thienyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)



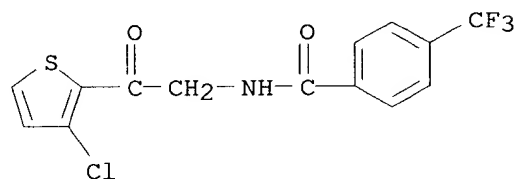
RN 478489-87-1 CAPLUS

CN 3-Pyridinecarboxamide, 6-chloro-N-[2-(3-chloro-2-thienyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 478489-88-2 CAPLUS

CN Benzamide, N-[2-(3-chloro-2-thienyl)-2-oxoethyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 4 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2002:964190 CAPLUS

DN 138:39272

TI Preparation of 3-(oxazolylalkoxyphenyl)propionic acids and analogs as modulators of peroxisome proliferator activated receptors for treatment of diabetes and related conditions

IN Gossett, Lynn Stacy; Green, Jonathan Edward; Henry, James Robert; Jones, Winton Dennis, Jr.; Matthews, Donald Paul; Shen, Quan Rong; Smith, Daryl Lynn; Vance, Jennifer Ann; Warshawsky, Alan M.

PA Eli Lilly and Company, USA

SO PCT Int. Appl., 438 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002100403	A1	20021219	WO 2002-US15143	20020524

W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,

V. Balasubramanian

CN, CO, CR, CU, CZ, CZ, DE, DK, DK, DM, DZ, EC, EE, EE, ES, FI,  
FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP,  
KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX,  
MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL,  
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM,  
AZ, BY, KG, KZ

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,  
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,  
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI US 2001-296701P P 20010607

OS MARPAT 138:39272

IT **478536-61-7P**, 3-[2-[[[4-(2-Thienyl)-4-oxobutanoyl]amino]methyl]-4-  
[2-(5-methyl-2-phenyloxazol-4-yl)ethoxy]phenyl]propionic acid

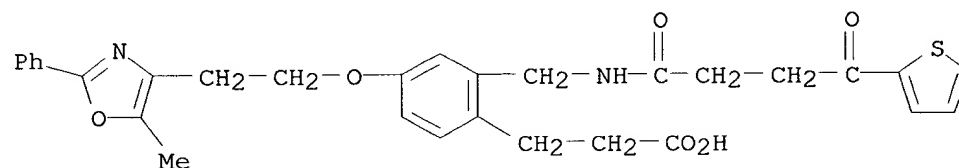
**478540-76-0P**, 3-[3-[[[4-Oxo-4-(2-thienyl)butanoyl]amino]methyl]-  
4-[2-(5-methyl-2-phenyloxazol-4-yl)ethoxy]phenyl]propionic acid

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
(Uses)

(PPAR modulator; prepn. of (oxazolylalkoxyphenyl)propionic acid and  
analogs as PPAR modulators for treatment of diabetes and related  
conditions)

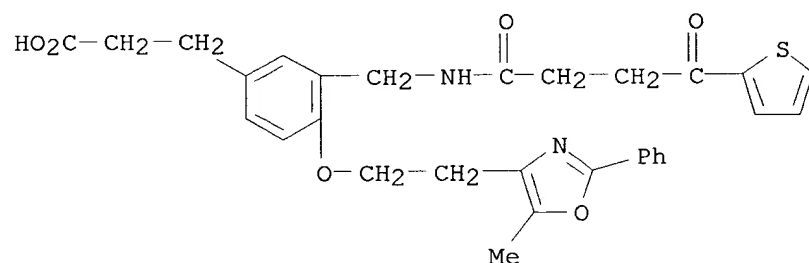
RN 478536-61-7 CAPLUS

CN Benzenepropanoic acid, 2-[[[1,4-dioxo-4-(2-thienyl)butyl]amino]methyl]-4-  
[2-(5-methyl-2-phenyl-4-oxazolyl)ethoxy]- (9CI) (CA INDEX NAME)



RN 478540-76-0 CAPLUS

CN Benzenepropanoic acid, 3-[[[1,4-dioxo-4-(2-thienyl)butyl]amino]methyl]-4-  
[2-(5-methyl-2-phenyl-4-oxazolyl)ethoxy]- (9CI) (CA INDEX NAME)



RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2002:960676 CAPLUS

DN 138:24949

TI Process for the preparation of tetrahydrothieno[3,2-c]pyridine derivatives

IN Horne, Stephen E.; Weeratunga, Gamini; Comanita, Bogdan M.; Nagireddy,

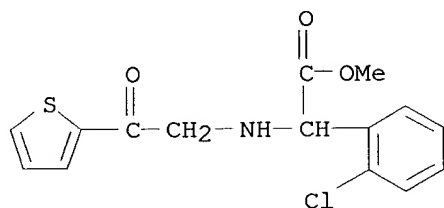
09/817,374



V. Balasubramanian

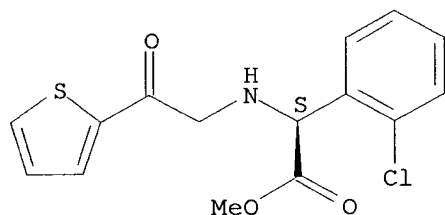
Jaipal Reddy; McConachie, Laura Kaye  
PA Brantford Chemicals Inc., Can.  
SO U.S., 10 pp.  
CODEN: USXXAM  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6495691	B1	20021217	US 2001-902165	20010711
PRAI	US 2001-902165		20010711		
OS	CASREACT 138:24949; MARPAT 138:24949				
IT	<b>478083-86-2P 478083-89-5P 478084-01-4P</b>				
	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)				
	(prepn. of (tetrahydrothienopyridyl)(chlorophenyl)acetate)				
RN	478083-86-2	CAPLUS			
CN	Benzeneacetic acid, 2-chloro-.alpha.-[[2-oxo-2-(2-thienyl)ethyl]amino]-, methyl ester (9CI) (CA INDEX NAME)				



RN 478083-89-5 CAPLUS  
CN Benzeneacetic acid, 2-chloro-.alpha.-[[2-oxo-2-(2-thienyl)ethyl]amino]-, methyl ester, (.alpha.S)- (9CI) (CA INDEX NAME)

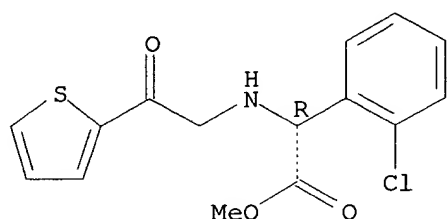
Absolute stereochemistry.



RN 478084-01-4 CAPLUS  
CN Benzeneacetic acid, 2-chloro-.alpha.-[[2-oxo-2-(2-thienyl)ethyl]amino]-, methyl ester, (.alpha.R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

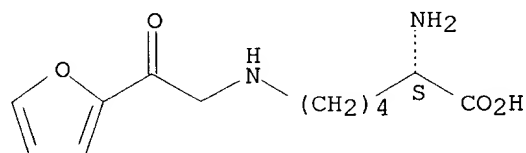
V. Balasubramanian



RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

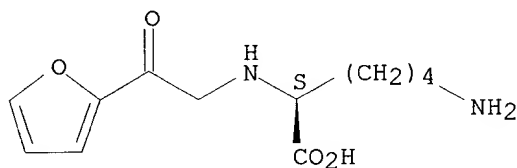
L5 ANSWER 6 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2002:951581 CAPLUS  
DN 138:152446  
TI High-Pressure Effects on Maillard Reaction between Glucose and Lysine  
AU Moreno, F. Javier; Molina, Elena; Olano, Agustin; Lopez-Fandino, Rosina  
CS Instituto de Fermentaciones Industriales, CSIC, Madrid, 28006, Spain  
SO Journal of Agricultural and Food Chemistry (2003), 51(2), 394-400  
CODEN: JAFCAU; ISSN: 0021-8561  
PB American Chemical Society  
DT Journal  
LA English  
IT **19746-33-9**, N.epsilon.-2-Furoylmethyl L-lysine **496842-59-2**  
RL: FMU (Formation, unclassified); FORM (Formation, nonpreparative)  
(high-pressure effects on Maillard reaction between glucose and lysine)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 496842-59-2 CAPLUS  
CN L-Lysine, N2-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

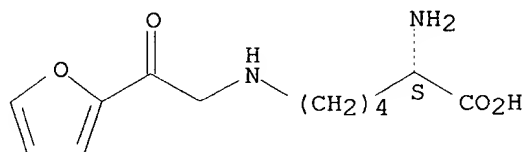
L5 ANSWER 7 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2002:824647 CAPLUS

09/817,374

V. Balasubramanian

DN 138:38431  
TI Stability of Dried and Intermediate Moisture Tomato Pulp during Storage  
AU Giovannelli, Gabriella; Paradiso, Angela  
CS Distam Department of Food Science and Technology, University of Milan,  
Milan, 20133, Italy  
SO Journal of Agricultural and Food Chemistry (2002), 50(25), 7277-7281  
CODEN: JAFCAU; ISSN: 0021-8561  
PB American Chemical Society  
DT Journal  
LA English  
IT 19746-33-9, Furosine  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(tomato pulp stability after drying)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2002:814108 CAPLUS  
DN 137:325413  
TI Preparation of 1H-indazole derivatives as inhibitors of c-Jun  
amino-terminal kinase (JNK)  
IN Oinuma, Hitoshi; Ohi, Norihito; Sato, Nobuaki; Soejima, Motohiro; Seshimo,  
Hidenori; Terauchi, Taro; Doko, Takashi; Kohmura, Naohiro  
PA Eisai Co., Ltd., Japan  
SO PCT Int. Appl., 322 pp.  
CODEN: PIXXD2  
DT Patent  
LA Japanese  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002083648	A1	20021024	WO 2002-JP3735	20020415
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI JP 2001-116521	A	20010416		
OS MARPAT 137:325413				
IT 473411-77-7P				
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU				

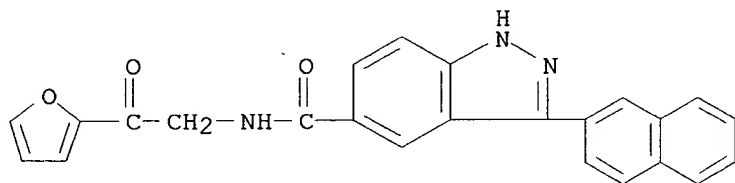
V. Balasubramanian

(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of 1H-indazole derivs. as inhibitors of c-Jun amino-terminal kinase (JNK) and preventives and/or therapeutics for diseases)

RN 473411-77-7 CAPLUS

CN 1H-Indazole-5-carboxamide, N-[2-(2-furanyl)-2-oxoethyl]-3-(2-naphthalenyl)-(9CI) (CA INDEX NAME)



RE.CNT 131 THERE ARE 131 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2002:813909 CAPLUS

DN 137:325416

TI Preparation of substituted imidazoles/oxazoles/thiazoles as large conductance calcium-activated K channel openers

IN Hongu, Mitsuya; Hosaka, Thoshihiro; Kashiwagi, Toshihiko; Kono, Rikako; Kobayashi, Hiroyuki

PA Tanabe Seiyaku Co., Ltd., Japan

SO PCT Int. Appl., 302 pp.

CODEN: PIXXD2

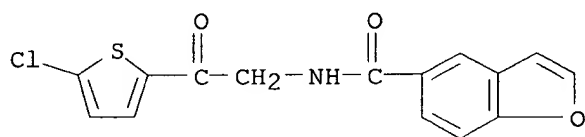
DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002083111	A2	20021024	WO 2002-JP3723	20020415
	W:				
					AE, AG, AL, AU, BA, BB, BG, BR, BZ, CA, CN, CO, CR, CU, CZ, DM, DZ, EC, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, NO, NZ, OM, PH, PL, RO, SG, SI, SK, TN, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
	RW:				
					GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
PRAI	JP 2001-116436	A	20010416		
	JP 2001-249671	A	20010820		
OS	MARPAT 137:325416				
IT	<b>473694-13-2</b>				
	RL: RCT (Reactant); RACT (Reactant or reagent)				
	(prepn. of imidazoles/oxazoles/thiazoles as large conductance calcium-activated K channel openers)				
RN	473694-13-2 CAPLUS				
CN	5-Benzofurancarboxamide, N-[2-(5-chloro-2-thienyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)				

V. Balasubramanian



IT 85210-64-6P 473693-22-0P 473693-24-2P

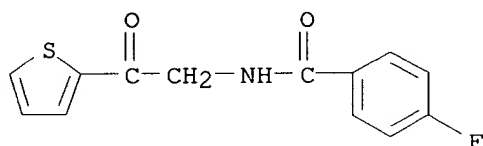
473693-25-3P 473693-29-7P 473693-32-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of imidazoles/oxazoles/thiazoles as large conductance calcium-activated K channel openers)

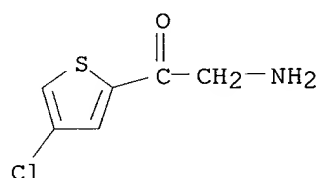
RN 85210-64-6 CAPLUS

CN Benzamide, 4-fluoro-N-[2-oxo-2-(2-thienyl)ethyl]- (9CI) (CA INDEX NAME)



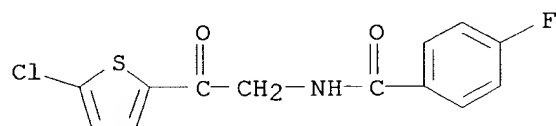
RN 473693-22-0 CAPLUS

CN Ethanone, 2-amino-1-(4-chloro-2-thienyl)- (9CI) (CA INDEX NAME)



RN 473693-24-2 CAPLUS

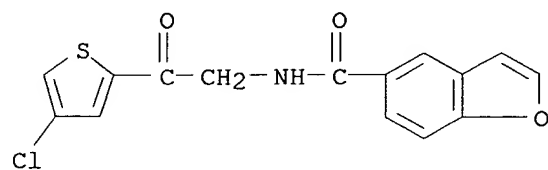
CN Benzamide, N-[2-(5-chloro-2-thienyl)-2-oxoethyl]-4-fluoro- (9CI) (CA INDEX NAME)



RN 473693-25-3 CAPLUS

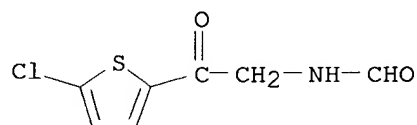
CN 5-Benzofurancarboxamide, N-[2-(4-chloro-2-thienyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

V. Balasubramanian



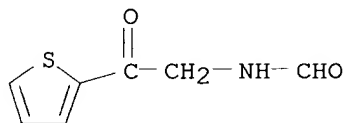
RN 473693-29-7 CAPLUS

CN Formamide, N-[2-(5-chloro-2-thienyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 473693-32-2 CAPLUS

CN Formamide, N-[2-oxo-2-(2-thienyl)ethyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 10 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2002:797378 CAPLUS

DN 138:88842

TI Study of 2-furoylmethyl amino acids in processed foods by HPLC-mass spectrometry

AU Dolores del Castillo, Maria; Sanz, Maria Luz; Vicente-Arana, Maria Jesus; Corzo, Nieves

CS (C.S.I.C.), Instituto de Fermentaciones Industriales, Madrid, 28006, Spain

SO Food Chemistry (2002), 79(2), 261-266

CODEN: FOCHDJ; ISSN: 0308-8146

PB Elsevier Science Ltd.

DT Journal

LA English

IT **297166-97-3P 484664-61-1P**

RL: ANT (Analyte); NPO (Natural product occurrence); PUR (Purification or recovery); ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation)

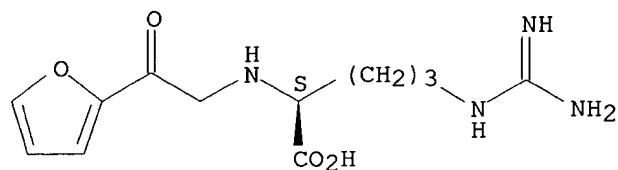
(2-furoylmethyl amino acids in processed foods detd. by HPLC-ESI-MS)

RN 297166-97-3 CAPLUS

CN L-Arginine, N2-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

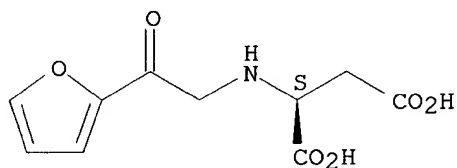
V. Balasubramanian



RN 484664-61-1 CAPLUS

CN L-Aspartic acid, N-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 19746-33-9P, Furosine

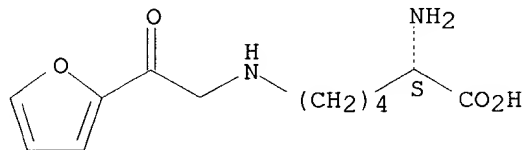
RL: ANT (Analyte); PUR (Purification or recovery); ANST (Analytical study); PREP (Preparation)

(2-furoylmethyl amino acids in processed foods detd. by HPLC-ESI-MS)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 11 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2002:736103 CAPLUS

DN 137:247516

TI Preparation of N-acylaminoalkanehydroxamic acids as IL-6 production inhibitors

IN Naka, Masao; Takahashi, Kanji

PA Ono Pharmaceutical Co., Ltd., Japan

SO PCT Int. Appl., 194 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

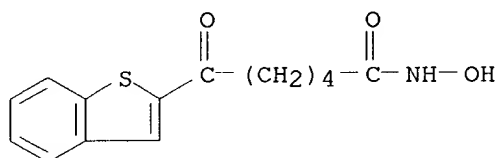
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002074298	A1	20020926	WO 2002-JP2681	20020320
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				

09/817,374

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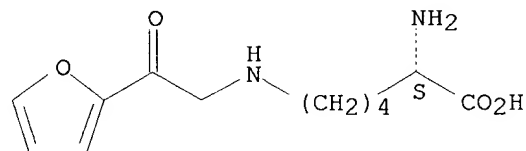
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS,  
LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL,  
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA,  
UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,  
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,  
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
PRAI JP 2001-81302 A 20010321  
OS MARPAT 137:247516  
IT **461404-97-7P**  
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
(Uses)  
(prepn. of N-acylaminoalkanehydroxamic acids as IL-6 prodn. inhibitors  
as preventives and/or remedies for diseases)  
RN 461404-97-7 CAPLUS  
CN Benzo[b]thiophene-2-hexanamide, N-hydroxy-.epsilon.-oxo- (9CI) (CA INDEX  
NAME)



RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 12 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2002:734795 CAPLUS  
DN 137:351898  
TI Spelt (Triticum spelta L.) pasta quality: combined effect of flour  
properties and drying conditions  
AU Marconi, E.; Carcea, M.; Schiavone, M.; Cubadda, R.  
CS DISTAAM, DISTAAM, Universita del Molise, Campobasso, 86100, Italy  
SO Cereal Chemistry (2002), 79(5), 634-639  
CODEN: CECHAF; ISSN: 0009-0352  
PB American Association of Cereal Chemists  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(combined effects of flour properties and drying conditions on spelt  
pasta quality)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



09/817,374

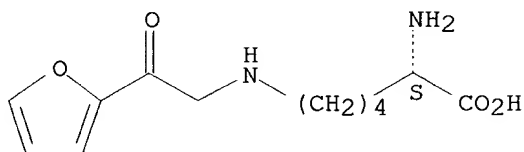


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RE.CNT 41      THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

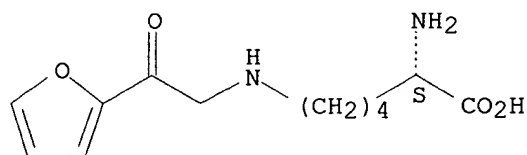
L5    ANSWER 13 OF 409    CAPLUS    COPYRIGHT 2003 ACS  
AN    2002:655290    CAPLUS  
DN    138:121750  
TI    Melanoidin produced by heat reaction between sugar and amino acids.  
Time-dependent change of concentration of melanoidin precursors  
AU    Makino, Yoshio; Okazaki, Kenji  
CS    Kagawa Prefect. Ind. Technol. Cent., Takamatsu, 761-8031, Japan  
SO    Kenkyu Hokoku - Kagawa-ken Sangyo Gijutsu Senta (2002), Volume Date 2001,  
2, 137-138  
CODEN: KHKSAR  
PB    Kagawa-ken Sangyo Gijutsu Senta  
DT    Journal  
LA    Japanese  
IT    **19746-33-9**, Furosine  
RL: ANT (Analyte); CPS (Chemical process); FMU (Formation, unclassified);  
PEP (Physical, engineering or chemical process); ANST (Analytical study);  
FORM (Formation, nonpreparative); PROC (Process)  
(time-dependent change of concn. of melanoidin precursors in heat  
reaction between sugar and amino acid)  
RN    19746-33-9    CAPLUS  
CN    L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI)    (CA INDEX NAME)

Absolute stereochemistry.



L5    ANSWER 14 OF 409    CAPLUS    COPYRIGHT 2003 ACS  
AN    2002:652686    CAPLUS  
DN    137:324476  
TI    Evaluation of heat and oxidative damage during storage of processed tomato  
products. I. Study of heat damage indices  
AU    Giovanelli, Gabriella; Lavelli, Vera  
CS    DISTAM. Department of Food Science Technology and Microbiology, University  
of Milan, Milan, I-20133, Italy  
SO    Journal of the Science of Food and Agriculture (2002), 82(11), 1263-1267  
CODEN: JSFAAE; ISSN: 0022-5142  
PB    John Wiley & Sons Ltd.  
DT    Journal  
LA    English  
IT    **19746-33-9**, Furosine  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(evaluation of heat damage indexes in stored processed tomato products)  
RN    19746-33-9    CAPLUS  
CN    L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI)    (CA INDEX NAME)

Absolute stereochemistry.

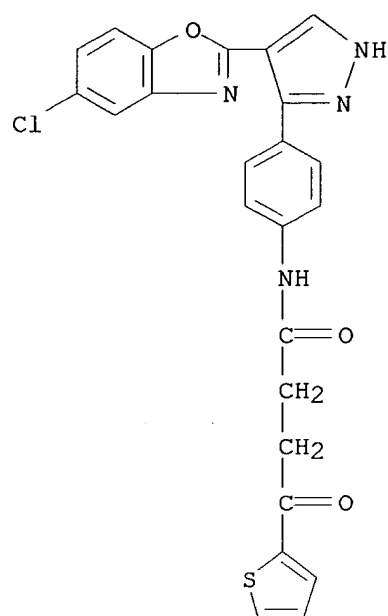


RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 15 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2002:615623 CAPLUS  
DN 137:169517  
TI Oxazolyl-pyrazole derivatives as protein kinase inhibitors, their preparation and combinatorial libraries, and their pharmaceutical use in the treatment of cancer and other diseases and disorders  
IN Berta, Daniela; Felder, Eduard; Vulpetti, Anna; Villa, Marzia  
PA Pharmacia Italia S.p.A., Italy  
SO PCT Int. Appl., 107 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

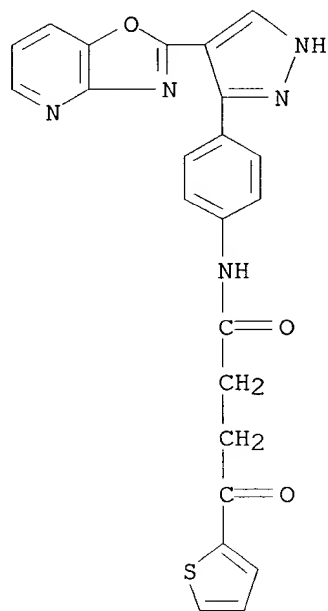
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002062804	A1	20020815	WO 2002-EP995	20020128
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI GB 2001-2687	A	20010202		
OS MARPAT 137:169517				
IT <b>448184-41-6P</b> , N-[4-[4-(5-Chloro-1,3-benzoxazol-2-yl)pyrazol-3-yl]phenyl]-3-(2-thenoyl)propionamide <b>448186-16-1P</b> , N-[4-[4-(1,3-Oxazole[4,5-b]pyridine-2-yl)pyrazol-3-yl]phenyl]-3-(2-thenoyl)propionamide RL: CPN (Combinatorial preparation); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); CMBI (Combinatorial study); PREP (Preparation); USES (Uses) (drug candidate; prepn. of oxazolylpyrazole derivs. as protein kinase inhibitors, and their combinatorial libraries and use as anticancer agents)				
RN 448184-41-6	CAPLUS			
CN 2-Thiophenebutanamide, N-[4-[4-(5-chloro-2-benzoxazolyl)-1H-pyrazol-3-yl]phenyl]-.gamma.-oxo- (9CI) (CA INDEX NAME)				

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RN 448186-16-1 CAPLUS

CN 2-Thiophenebutanamide, N-[4-(4-oxazolo[4,5-b]pyridin-2-yl)-1H-pyrazol-3-yl]phenyl]-.gamma.-oxo- (9CI) (CA INDEX NAME)



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

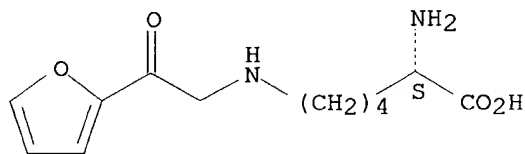
L5 ANSWER 16 OF 409 CAPLUS COPYRIGHT 2003 ACS

09/817,374

V. Balasubramanian

AN 2002:565182 CAPLUS  
DN 137:262059  
TI Characterization and Functional Properties of Lactosyl Caseinomacropeptide Conjugates  
AU Moreno, F. Javier; Lopez-Fandino, Rosina; Olano, Agustin  
CS Instituto de Fermentaciones Industriales (CSIC), Madrid, 28006, Spain  
SO Journal of Agricultural and Food Chemistry (2002), 50(18), 5179-5184  
CODEN: JAFCAU; ISSN: 0021-8561  
PB American Chemical Society  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: BSU (Biological study, unclassified); BIOL (Biological study) (prepn. and functionality of lactosyl caseinomacropeptide conjugates)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

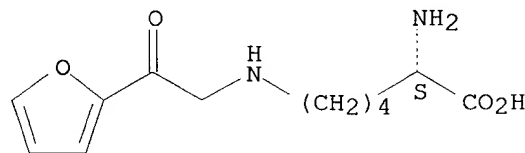
Absolute stereochemistry.



RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 17 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2002:536214 CAPLUS  
DN 137:278023  
TI Quantitative determination of furosine in cow's milk containing reconstituted skim milk  
AU Ohta, T.; Yoshida, T.; Kazaki, B.; Hosono, A.; Suyama, K.  
CS Japan Dairy Technical Association, Tokyo, 102-0073, Japan  
SO Milchwissenschaft (2002), 57(2), 70-73  
CODEN: MILCAD; ISSN: 0026-3788  
PB VV-GmbH Volkswirtschaftlicher Verlag  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: ANT (Analyte); ANST (Analytical study) (detn. of furosine by HPLC for detection of reconstituted skim milk in bovine milk)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

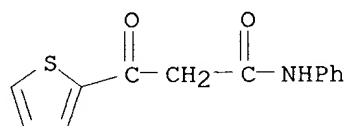


RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD

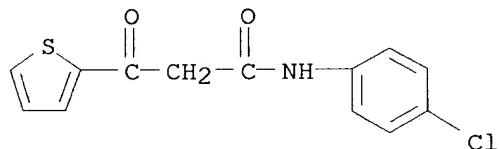
09/817,374

ALL CITATIONS AVAILABLE IN THE RE FORMAT

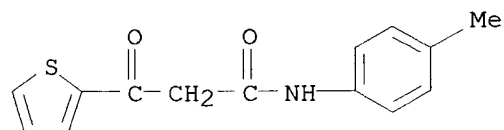
L5 ANSWER 18 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 2002:509589 CAPLUS  
 DN 138:4501  
 TI Efficient synthesis of polyfunctionalized pyridines by conjugate addition of 2-thienylcarbonyl (thioacetanilides) to .alpha.,.beta.-unsaturated nitriles  
 AU Bogdanowicz-Szwed, Krystyna; Krasodomska, Malgorzata  
 CS Department of Organic Chemistry, Jagiellonian University, Krakow, 30060, Pol.  
 SO Journal of Chemical Research, Synopses (2002), (4), 149-150, 419-430  
 CODEN: JRPSDC; ISSN: 0308-2342  
 PB Science Reviews  
 DT Journal  
 LA English  
 OS CASREACT 138:4501  
 IT **23058-91-5 23058-94-8 476688-45-6**  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (prepn. of amino[(thienyl)carbonyl](oxo)pyridinecarbonitrile derivs. and analogs via conjugate addn. of (oxo)thiophenepropanethioamide or (oxo)thiophenepropanamide derivs. with (phenylmethylene)propanedinitriles)  
 RN 23058-91-5 CAPLUS  
 CN 2-Thiophenepropanamide, .beta.-oxo-N-phenyl- (9CI) (CA INDEX NAME)



RN 23058-94-8 CAPLUS  
 CN 2-Thiophenepropanamide, N-(4-chlorophenyl)-.beta.-oxo- (9CI) (CA INDEX NAME)



RN 476688-45-6 CAPLUS  
 CN 2-Thiophenepropanamide, N-(4-methylphenyl)-.beta.-oxo- (9CI) (CA INDEX NAME)



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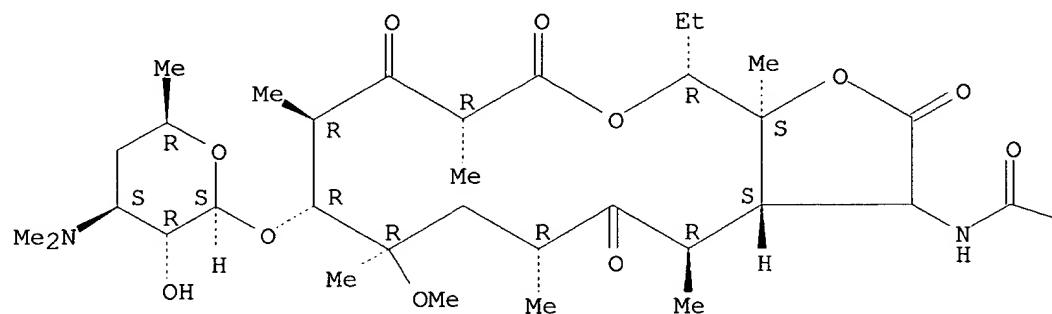
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 19 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2002:487577 CAPLUS  
DN 137:63420  
TI Preparation of lactone ketolide macrolide erythromycin antibiotics  
IN Andreotti, Daniele; Arista, Luca; Biondi, Stefano; Cardullo, Francesca;  
Damiani, Frederica; Lociuero, Sergio; Marchioro, Carla; Merlo, Giancarlo;  
Mingardi, Anna; Niccolai, Daniela; Paio, Alfredo; Piga, Elisabetta;  
Pozzan, Alfonso; Seri, Catia; Tarsi, Luca; Terreni, Silvia; Tibasco,  
Jessica  
PA Glaxo Group Limited, UK  
SO PCT Int. Appl., 215 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

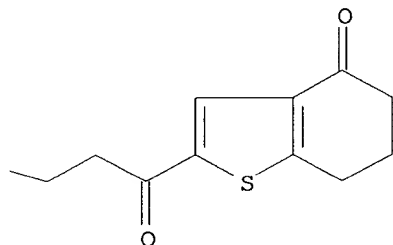
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002050091	A1	20020627	WO 2001-GB5665	20011220
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2002017277	A5	20020701	AU 2002-17277	20011220
PRAI	GB 2000-31309	A	20001221		
	GB 2001-26276	A	20011101		
	GB 2001-26277	A	20011101		
	WO 2001-GB5665	W	20011220		
OS	MARPAT 137:63420				
IT	439100-07-9P 439100-08-0P 439101-83-4P 439107-22-9P				
	RL: IMF (Industrial manufacture); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(prepn. of lactone ketolide macrolide erythromycin antibiotics and their use in therapy or prophylaxis of systemic or topical bacterial infections)				
RN	439100-07-9 CAPLUS				
CN	Benzo[b]thiophene-2-butanamide, N-[(3aS,4R,6R,8R,9R,10R,12R,15R,15aS)-15-ethyltetradecahydro-8-methoxy-4,6,8,10,12,15a-hexamethyl-2,5,11,13-tetraoxo-9-[[3,4,6-trideoxy-3-(dimethylamino)-.beta.-D-xylo-hexopyranosyl]oxy]-2H-furo[2,3-c]oxacyclotetradecin-3-yl]-4,5,6,7-tetrahydro-.gamma.,4-dioxo- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

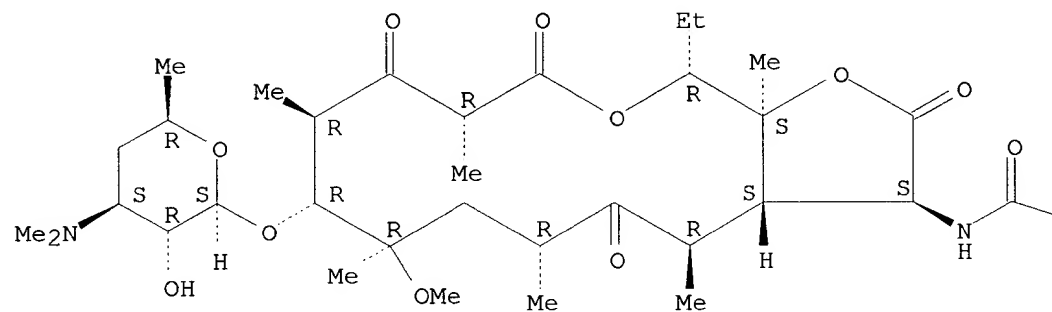


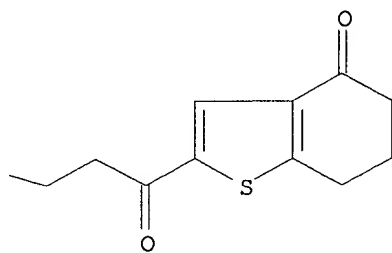
RN 439100-08-0 CAPLUS

CN Benzo[b]thiophene-2-butanamide, N-[(3S,3aS,4R,6R,8R,9R,10R,12R,15R,15aS)-15-ethyltetradecahydro-8-methoxy-4,6,8,10,12,15a-hexamethyl-2,5,11,13-tetraoxo-9-[[3,4,6-trideoxy-3-(dimethylamino)-.beta.-D-xylohexopyranosyl]oxy]-2H-furo[2,3-c]oxacyclotetradecin-3-yl]-4,5,6,7-tetrahydro-.gamma.,4-dioxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

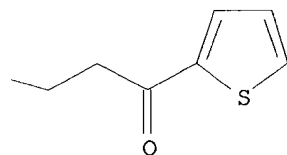
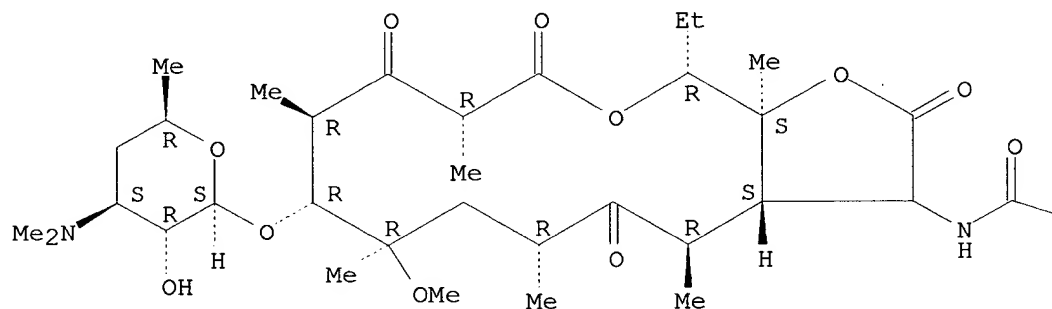




RN 439101-83-4 CAPLUS

CN 2-Thiophenebutanamide, N-[(3aS,4R,6R,8R,9R,10R,12R,15R,15aS)-15-ethyltetradecahydro-8-methoxy-4,6,8,10,12,15a-hexamethyl-2,5,11,13-tetraoxo-9-[[3,4,6-trideoxy-3-(dimethylamino)-.beta.-D-xylohexopyranosyl]oxy]-2H-furo[2,3-c]oxacyclotetradecin-3-yl]-.gamma.-oxo-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 439107-22-9 CAPLUS

CN Benzo[b]thiophene-2-butanamide, N-[(3S,3aS,4R,6R,8R,9R,10R,12R,15R,15aS)-15-ethyltetradecahydro-8-methoxy-4,6,8,10,12,15a-hexamethyl-2,5,11,13-tetraoxo-9-[[3,4,6-trideoxy-3-(dimethylamino)-.beta.-D-xylohexopyranosyl]oxy]-2H-furo[2,3-c]oxacyclotetradecin-3-yl]-4,5,6,7-

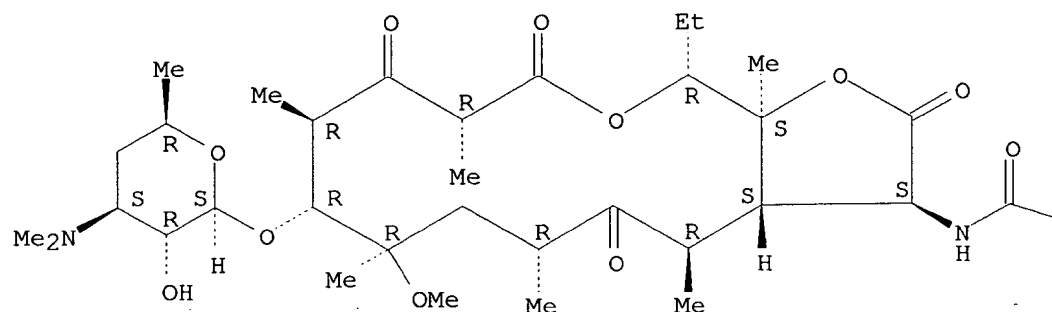


V. Balasubramanian

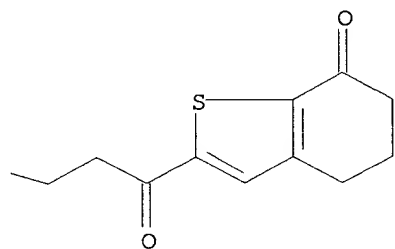
tetrahydro-.gamma.,7-dioxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

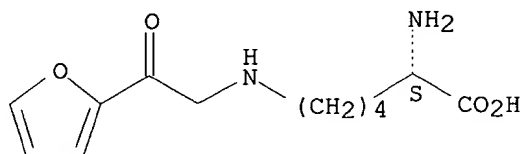


RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 20 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2002:441184 CAPLUS  
DN 138:151567  
TI Daily haemodialysis improves indices of protein glycation  
AU Floridi, Ardesio; Antolini, Francesco; Galli, Francesco; Fagugli, Riccardo  
Maria; Floridi, Emanuela; Buoncristiani, Umberto  
CS Department of Internal Medicine, University of Perugia, Perugia, I-06100,  
Italy  
SO Nephrology, Dialysis, Transplantation (2002), 17(5), 871-878  
CODEN: NDTREA; ISSN: 0931-0509  
PB Oxford University Press  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: DGN (Diagnostic use); BIOL (Biological study); USES (Uses)  
(daily hemodialysis improves indexes of protein glycation in kidney  
disease)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

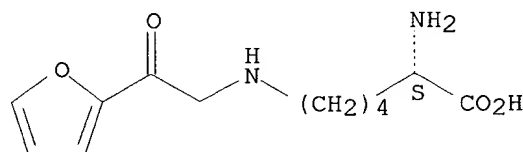
V. Balasubramanian



RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 21 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2002:402201 CAPLUS  
DN 137:46401  
TI Furosine as Indicator of Maillard Reaction in Jams and Fruit-Based Infant Foods  
AU Rada-Mendoza, Maite; Olano, Agustin; Villamiel, Mar  
CS Instituto de Fermentaciones Industriales (CSIC), Madrid, 28006, Spain  
SO Journal of Agricultural and Food Chemistry (2002), 50(14), 4141-4145  
CODEN: JAFCAU; ISSN: 0021-8561  
PB American Chemical Society  
DT Journal  
LA English  
IT 19746-33-9, Furosine  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(furosine as indicator of Maillard reaction in jams and fruit-based infant foods with different sugar content)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 22 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2002:372414 CAPLUS  
DN 137:109138  
TI Structurally Simple Trichostatin A-Like Straight Chain Hydroxamates as Potent Histone Deacetylase Inhibitors  
AU Woo, Soon Hyung; Frechette, Sylvie; Khalil, Elie Abou; Bouchain, Giliane; Vaisburg, Arkadii; Bernstein, Naomi; Moradei, Oscar; Leit, Silvana; Allan, Martin; Fournel, Marielle; Trachy-Bourget, Marie-Claude; Li, Zuomei; Besterman, Jeffrey M.; Delorme, Daniel  
CS Departments of Medicinal Chemistry and Molecular Biology, MethylGene Inc., Montreal, QC, H4S 2A1, Can.  
SO Journal of Medicinal Chemistry (2002), 45(13), 2877-2885  
CODEN: JMCMAR; ISSN: 0022-2623  
PB American Chemical Society  
DT Journal  
LA English  
OS CASREACT 137:109138

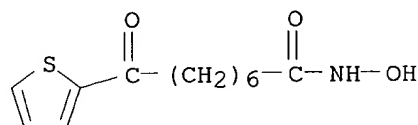
V. Balasubramanian

IT 362669-70-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(prepn. of trichostatin A-like hydroxamates, their human HDAC-1 and human cancer cell inhibition, and structure-activity relationship)

RN 362669-70-3 CAPLUS

CN 2-Thiopheneoctanamide, N-hydroxy-.eta.-oxo- (9CI) (CA INDEX NAME)



RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 23 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2002:366971 CAPLUS

DN 136:386124

TI Preparation of amidoalkyluracils as inhibitors of poly(ADP-ribose)synthetase (PARS)

IN Albrecht, Barbara; Gerisch, Michael; Handke, Gabriele; Jensen, Axel; Krahn, Thomas; Nickl, Werner; Oehme, Felix; Schlemmer, Karl-Heinz; Steinhagen, Henning

PA Bayer Ag, Germany

SO Ger. Offen., 70 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10056312	A1	20020516	DE 2000-10056312	20001114
	WO 2002040455	A1	20020523	WO 2001-EP12694	20011102
	WO 2002040455	C1	20020718		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2002024825	A5	20020527	AU 2002-24825	20011102
PRAI	DE 2000-10056312	A	20001114		
	WO 2001-EP12694	W	20011102		

OS MARPAT 136:386124

IT 425635-66-1P 425635-81-0P 425636-11-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

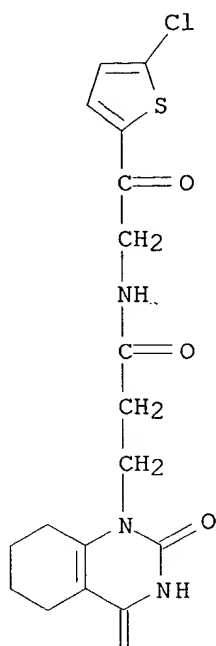
(prepn. of amidoalkyluracils as inhibitors of poly(ADP-ribose)synthetase (PARS))

RN 425635-66-1 CAPLUS

V. Balasubramanian

CN 1(2H)-Quinazolinepropanamide, N-[2-(5-chloro-2-thienyl)-2-oxoethyl]-  
3,4,5,6,7,8-hexahydro-2,4-dioxo- (9CI) (CA INDEX NAME)

PAGE 1-A



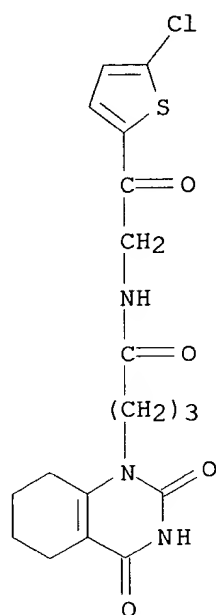
PAGE 2-A



RN 425635-81-0 CAPLUS

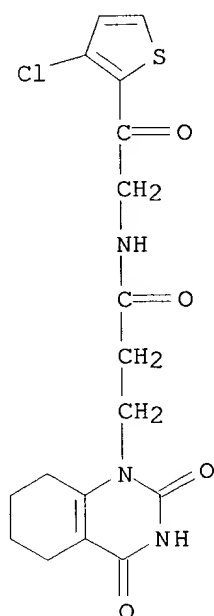
CN 1(2H)-Quinazolinebutanamide, N-[2-(5-chloro-2-thienyl)-2-oxoethyl]-  
3,4,5,6,7,8-hexahydro-2,4-dioxo- (9CI) (CA INDEX NAME)

V. Balasubramanian



RN 425636-11-9 CAPLUS

CN 1(2H)-Quinazolinepropanamide, N-[2-(3-chloro-2-thienyl)-2-oxoethyl]-  
3,4,5,6,7,8-hexahydro-2,4-dioxo- (9CI) (CA INDEX NAME)



L5 ANSWER 24 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2002:303219 CAPLUS

DN 137:368775

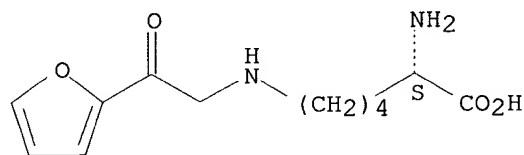
TI Maillard reaction in enteral formula processing: furosine, loss of

09/817,374

V. Balasubramanian

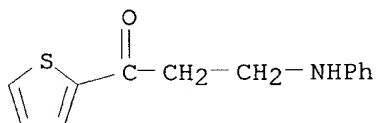
o-phthaldialdehyde reactivity, and fluorescence  
AU Rufian-Henares, Jose Angel; Guerra-Hernandez, Eduardo; Garcia-Villanova, Belen  
CS Facultad de Farmacia, Departamento de Nutricion y Bromatologia, Universidad de Granada, Granada, 18012, Spain  
SO Food Research International (2002), 35(6), 527-533  
CODEN: FORIEU; ISSN: 0963-9969  
PB Elsevier Science Ltd.  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: ANT (Analyte); CPS (Chemical process); PEP (Physical, engineering or chemical process); ANST (Analytical study); PROC (Process)  
(furosine, loss of o-phthaldialdehyde reactivity, and fluorescence intensity assocd. with Maillard reaction in enteral formula processing)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 25 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2002:291602 CAPLUS  
DN 137:185387  
TI Reactions of ketonic Mannich bases with malononitrile and malononitrile dimer  
AU Hammouda, M.; El-Ahl, A. S.; El-Toukhee, Y. M.; Metwally, M. A.  
CS Chemistry Department, Faculty of Science, Mansoura University, Egypt  
SO Journal of Chemical Research, Synopses (2002), (2), 89-94  
CODEN: JRPSDC; ISSN: 0308-2342  
PB Science Reviews  
DT Journal  
LA English  
IT **21280-44-4**  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(reactions of ketonic Mannich bases with malononitrile and malononitrile dimer)  
RN 21280-44-4 CAPLUS  
CN 1-Propanone, 3-(phenylamino)-1-(2-thienyl)- (9CI) (CA INDEX NAME)



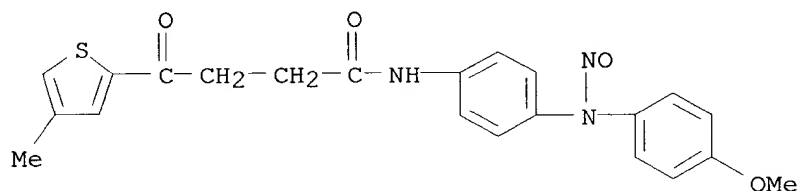
RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD

V. Balasubramanian

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 26 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2002:275953 CAPLUS  
DN 136:309851  
TI Preparation of diphenylamines and N-nitrosodiphenylamines for treatment of oxidative stress and unavailability of endothelial nitric oxide.  
IN Lardy, Claude; Nioche, Jean-Yves; Caputo, Lidia; Decerprit, Jacques; Ortholand, Jean-Yves; Festal, Didier; Guerrier, Daniel  
PA Merck Patent G.m.b.H., Germany  
SO PCT Int. Appl., 142 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002028820	A1	20020411	WO 2001-EP10761	20010918
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	FR 2815030	A1	20020412	FR 2000-12749	20001005
	AU 2001089891	A5	20020415	AU 2001-89891	20010918
PRAI	FR 2000-12749	A	20001005		
	WO 2001-EP10761	W	20010918		
OS	MARPAT 136:309851				
IT	<b>409354-83-2P</b>				
	RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(prepn. of diphenylamines and N-nitrosodiphenylamines for treatment of oxidative stress and unavailability of endothelial nitric oxide)				
RN	409354-83-2 CAPLUS				
CN	2-Thiophenebutanamide, N-[4-[(4-methoxyphenyl)nitrosoamino]phenyl]-4-methyl-.gamma.-oxo- (9CI) (CA INDEX NAME)				



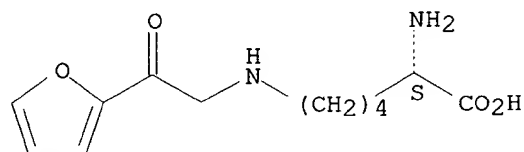
RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 27 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2002:261691 CAPLUS  
DN 137:5349

V. Balasubramanian

TI Effect of storage on non-enzymatic browning of liquid infant milk formulae  
AU Guerra-Hernandez, Eduardo; Gomez, Carmen Leon; Garcia-Villanova, Belen;  
Sanchez, Nieves Corzo; Gomez, Juan Manuel Romera  
CS Departamento de Nutricion y Bromatologia, Facultad de Farmacia,  
Universidad de Granada, Granada, E-18012, Spain  
SO Journal of the Science of Food and Agriculture (2002), 82(5), 587-592  
CODEN: JSFAAE; ISSN: 0022-5142  
PB John Wiley & Sons Ltd.  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(storage effect on non-enzymic browning of liq. infant milk formulas)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

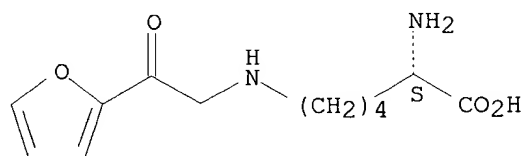
Absolute stereochemistry.



RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 28 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2002:250229 CAPLUS  
DN 136:354487  
TI Furosine. A Suitable Marker for Assessing the Freshness of Royal Jelly  
AU Marconi, Emanuele; Caboni, Maria Fiorenza; Messina, Maria Cristina;  
Panfili, Gianfranco  
CS DISTAAM, Universita del Molise, Campobasso, 86100, Italy  
SO Journal of Agricultural and Food Chemistry (2002), 50(10), 2825-2829  
CODEN: JAFCAU; ISSN: 0021-8561  
PB American Chemical Society  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(furosine as marker for freshness in royal jelly during storage)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT



V. Balasubramanian

LS ANSWER 29 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2002:237356 CAPLUS

DN 136:263090

TI Preparation of cyclic amine derivatives for inhibition of the action of chemokines such as MIP-1.alpha. and/or MCP-1 on target cells

IN Shiota, Tatsuki; Kataoka, Ken-Ichiro; Imai, Minoru; Tsutsumi, Takaharu; Sudoh, Masaki; Sogawa, Ryo; Morita, Takuya; Hada, Takahiko; Muroga, Yumiko; Takenouchi, Osami; Furuya, Minoru; Endo, Noriaki; Tarby, Christine M.; Moree, Wilna; Teig, Steven

PA Teijin Limited, Japan; Dupont Pharmaceuticals Research Laboratories

SO U.S., 364 pp., Cont. of U.S. Ser. No. 554,562.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6362177	B1	20020326	US 2001-905078	20010716
	US 6451842	B1	20020917	US 2000-554562	20000516
	US 6410566	B1	20020625	US 2001-905077	20010716
PRAI	US 2000-554562	A3	20000516		
	US 1997-972484	B1	19971118		
	US 1998-55285	B1	19980406		
	US 1998-133434	B1	19980813		
	WO 1998-US23254	W	19981117		

OS MARPAT 136:263090

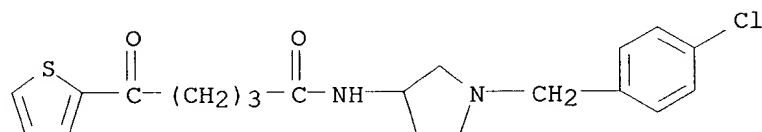
IT **226228-19-9P**, 2-Thiophenepentanamide, N-[1-[(4-chlorophenyl)methyl]-3-pyrrolidinyl]-.delta.-oxo- **226229-66-9P**, 2-Thiophenepentanamide, N-[1-[(4-chlorophenyl)methyl]-3-piperidinyl]-.delta.-oxo-

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of cyclic amine derivs. for inhibition of action of chemokines such as MIP-1.alpha. and/or MCP-1 on target cells)

RN 226228-19-9 CAPLUS

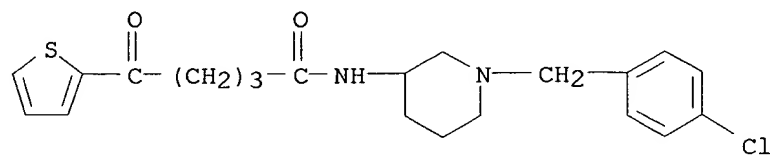
CN 2-Thiophenepentanamide, N-[1-[(4-chlorophenyl)methyl]-3-pyrrolidinyl]-.delta.-oxo- (9CI) (CA INDEX NAME)



RN 226229-66-9 CAPLUS

CN 2-Thiophenepentanamide, N-[1-[(4-chlorophenyl)methyl]-3-piperidinyl]-.delta.-oxo- (9CI) (CA INDEX NAME)

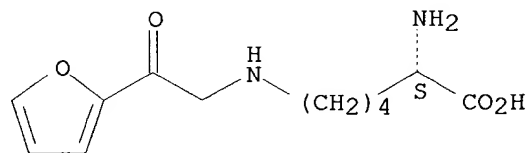
V. Balasubramanian



RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 30 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2002:183394 CAPLUS  
DN 136:262081  
TI Influence of hydrolysis, purification, and calibration method on furosine determination using ion-pair reversed-phase high-performance liquid chromatography  
AU Serrano, M. A.; Castillo, G.; Munoz, M. M.; Hernandez, A.  
CS Departamento de Nutricion y Bromatologia, Universidad de Alcala, Madrid, 28871, Spain  
SO Journal of Chromatographic Science (2002), 40(2), 87-91  
CODEN: JCHSBZ; ISSN: 0021-9665  
PB Preston Publications  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: ANT (Analyte); ANST (Analytical study)  
(influence of hydrolysis, purifn., and calibration method on furosine detn. using ion-pair reversed-phase high-performance liq. chromatog.)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 31 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2002:154511 CAPLUS  
DN 137:231530  
TI A new method for discriminating milk heat treatment  
AU Birlouez-Aragon, Ines; Sabat, Pascal; Gouti, Nicolas  
CS Laboratoire de Chimie Analytique, Institut National Agronomique Paris-Grignon, Paris, 75231, Fr.  
SO International Dairy Journal (2002), 12(1), 59-67  
CODEN: IDAJE6; ISSN: 0958-6946  
PB Elsevier Science Ltd.  
DT Journal  
LA English  
IT **19746-33-9, Furosine**

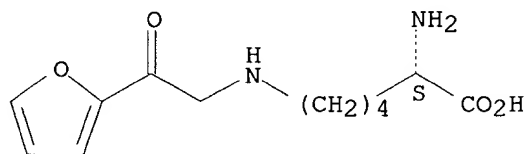
V. Balasubramanian

RL: ANT (Analyte); ANST (Analytical study)  
(fluorimetric FAST (fluorescence of advanced Maillard products and sol.  
trp) anal. for est. of heat intensity treatment of milk)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 32 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2002:130523 CAPLUS

DN 137:5346

TI Fortification of milk with iron-ascorbate promotes lysine glycation and  
tryptophan oxidation

AU Leclerc, Juliette; Birlouez-Aragon, Ines; Meli, Michael

CS Laboratoire de Chimie Analytique, Institut National Agronomique  
Paris-Grignon, Paris, 75231, Fr.

SO Food Chemistry (2002), 76(4), 491-499

CODEN: FOCHDJ; ISSN: 0308-8146

PB Elsevier Science Ltd.

DT Journal

LA English

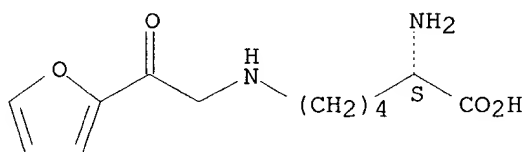
IT 19746-33-9, Furosine

RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(lysine glycation and tryptophan oxidn. in relation to fortification of  
milk with iron-ascorbate)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 33 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2002:123007 CAPLUS

DN 136:183816

TI Combinatorial preparation of bicyclo pyrazoles as kinase inhibitors for  
treatment of cancer and other proliferative disorders

IN Fancelli, Daniele; Pittala, Valeria; Varasi, Mario

PA Pharmacia & Upjohn S.p.A., Italy

SO PCT Int. Appl., 331 pp.

09/817,374

V. Balasubramanian

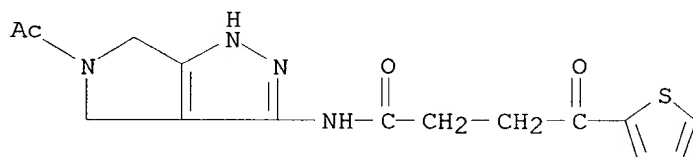
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

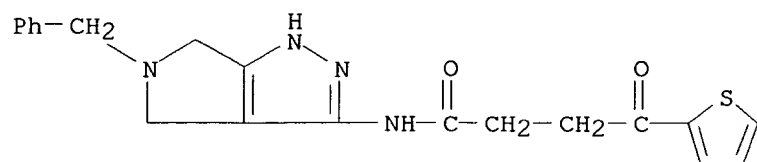
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002012242	A2	20020214	WO 2001-EP8639	20010725
	WO 2002012242	A3	20020606		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2001087654	A5	20020218	AU 2001-87654	20010725
PRAI	US 2000-635914	A	20000810		
	WO 2001-EP8639	W	20010725		
OS	MARPAT 136:183816				
IT	398496-49-6P 398497-13-7P 398497-82-0P				
	398498-56-1P 398499-76-8P 398500-91-9P				
	398502-02-8P 398503-34-9P, N-(5-Benzoylaminocarbonyl-4,6-dihydro-1H-pyrrolo[3,4-c]pyrazol-3-yl)-3-(2-thenoyl)propionamide				
	398504-43-3P, N-(5-Aminocarbonyl-4,6-dihydro-1H-pyrrolo[3,4-c]pyrazol-3-yl)-3-(2-thenoyl)propionamide 398505-60-7P, N-(5-Aminosulfonyl-4,6-dihydro-1H-pyrrolo[3,4-c]pyrazol-3-yl)-3-(2-thenoyl)propionamide 398506-32-6P, N-(5-Toluensulfonyl-4,6-dihydro-1H-pyrrolo[3,4-c]pyrazol-3-yl)-3-(2-thenoyl)propionamide 398506-91-7P, N-(5-Benzylsulfonyl-4,6-dihydro-1H-pyrrolo[3,4-c]pyrazol-3-yl)-3-(2-thenoyl)propionamide				
	RL: CPN (Combinatorial preparation); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); CMBI (Combinatorial study); PREP (Preparation); USES (Uses)				
	(kinase inhibitor; combinatorial prepn. of bicyclo pyrazoles as kinase inhibitors for treatment of cancer and other proliferative disorders)				
RN	398496-49-6 CAPLUS				
CN	2-Thiophenebutanamide, N-(5-acetyl-1,4,5,6-tetrahydropyrrolo[3,4-c]pyrazol-3-yl)-.gamma.-oxo- (9CI) (CA INDEX NAME)				



RN 398497-13-7 CAPLUS

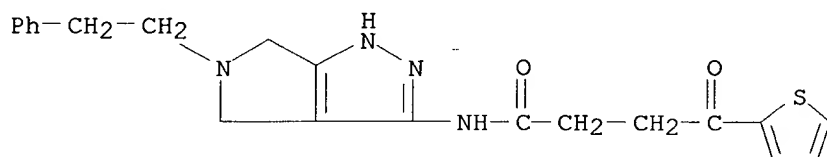
CN 2-Thiophenebutanamide, .gamma.-oxo-N-[1,4,5,6-tetrahydro-5-(phenylmethyl)pyrrolo[3,4-c]pyrazol-3-yl]- (9CI) (CA INDEX NAME)

V. Balasubramanian



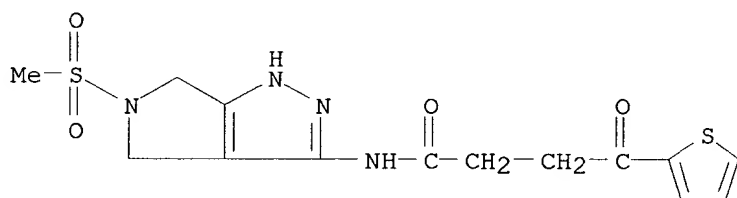
RN 398497-82-0 CAPLUS

CN 2-Thiophenebutanamide, .gamma.-oxo-N-[1,4,5,6-tetrahydro-5-(2-phenylethyl)pyrrolo[3,4-c]pyrazol-3-yl]- (9CI) (CA INDEX NAME)



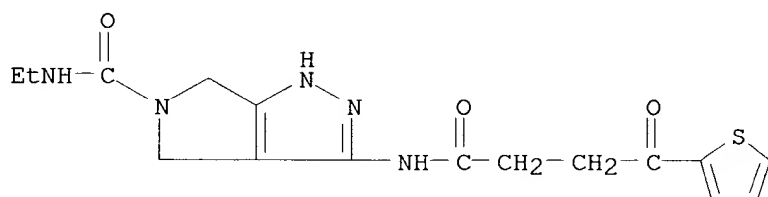
RN 398498-56-1 CAPLUS

CN 2-Thiophenebutanamide, .gamma.-oxo-N-[1,4,5,6-tetrahydro-5-(methylsulfonyl)pyrrolo[3,4-c]pyrazol-3-yl]- (9CI) (CA INDEX NAME)



RN 398499-76-8 CAPLUS

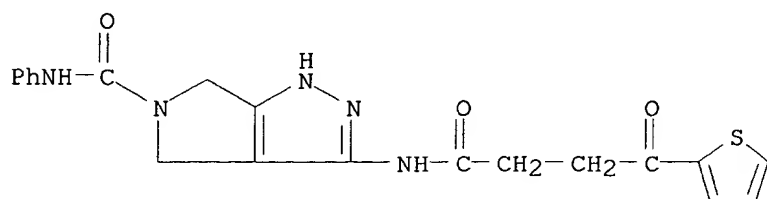
CN Pyrrolo[3,4-c]pyrazole-5(1H)-carboxamide, 3-[[1,4-dioxo-4-(2-thienyl)butyl]amino]-N-ethyl-4,6-dihydro- (9CI) (CA INDEX NAME)



RN 398500-91-9 CAPLUS

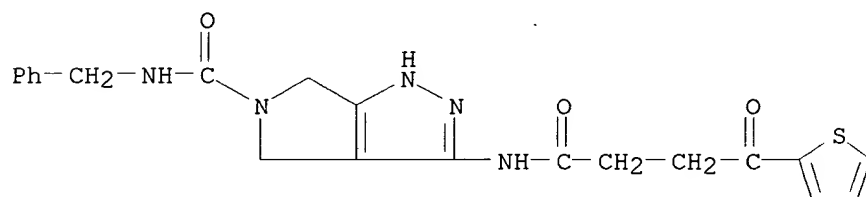
CN Pyrrolo[3,4-c]pyrazole-5(1H)-carboxamide, 3-[[1,4-dioxo-4-(2-thienyl)butyl]amino]-4,6-dihydro-N-phenyl- (9CI) (CA INDEX NAME)

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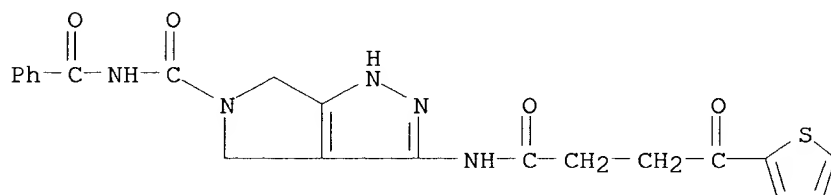
RN 398502-02-8 CAPLUS

CN Pyrrolo[3,4-c]pyrazole-5(1H)-carboxamide, 3-[[1,4-dioxo-4-(2-thienyl)butyl]amino]-4,6-dihydro-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



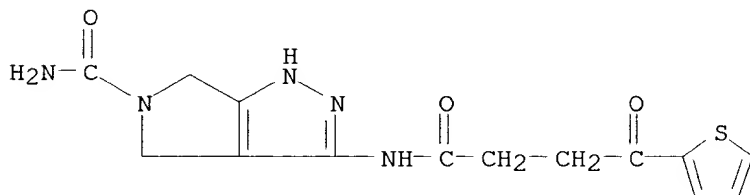
RN 398503-34-9 CAPLUS

CN Pyrrolo[3,4-c]pyrazole-5(1H)-carboxamide, N-benzoyl-3-[[1,4-dioxo-4-(2-thienyl)butyl]amino]-4,6-dihydro- (9CI) (CA INDEX NAME)



RN 398504-43-3 CAPLUS

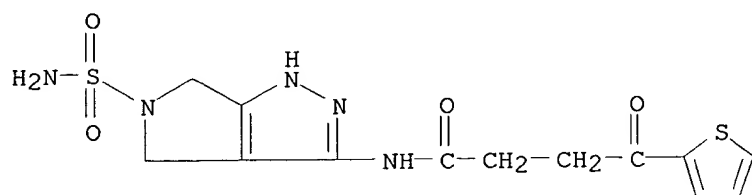
CN Pyrrolo[3,4-c]pyrazole-5(1H)-carboxamide, 3-[[1,4-dioxo-4-(2-thienyl)butyl]amino]-4,6-dihydro- (9CI) (CA INDEX NAME)



RN 398505-60-7 CAPLUS

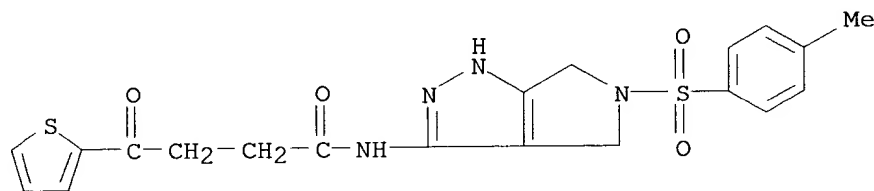
CN 2-Thiophenebutanamide, N-[5-(aminosulfonyl)-1,4,5,6-tetrahydropyrrolo[3,4-c]pyrazol-3-yl]-.gamma.-oxo- (9CI) (CA INDEX NAME)

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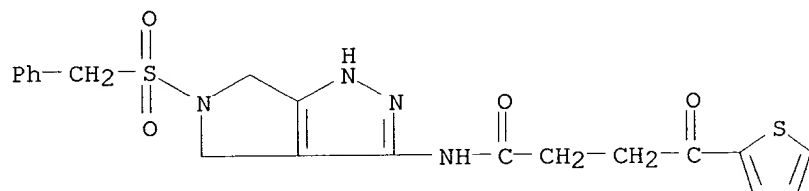
RN 398506-32-6 CAPLUS

CN 2-Thiophenebutanamide, .gamma.-oxo-N-[1,4,5,6-tetrahydro-5-[(4-methylphenyl)sulfonyl]pyrrolo[3,4-c]pyrazol-3-yl]- (9CI) (CA INDEX NAME)



RN 398506-91-7 CAPLUS

CN 2-Thiophenebutanamide, .gamma.-oxo-N-[1,4,5,6-tetrahydro-5-[(phenylmethyl)sulfonyl]pyrrolo[3,4-c]pyrazol-3-yl]- (9CI) (CA INDEX NAME)



L5 ANSWER 34 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2001:935593 CAPLUS

DN 136:69729

TI Preparation of thiophene-3-carboxamides as kinase inhibitors

IN Fancelli, Daniele; Pevarello, Paolo; Varasi, Mario

PA Pharmacia & Upjohn S.p.A., Italy

SO PCT Int. Appl., 85 pp.

CODEN: PIXXD2

DT Patent

LA English

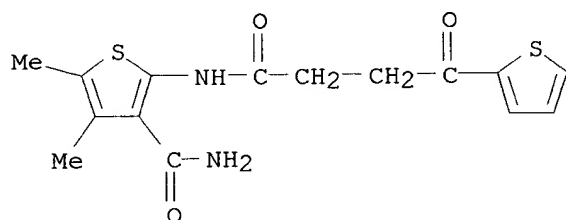
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001098290	A2	20011227	WO 2001-EP6763	20010614
	WO 2001098290	A3	20020516		

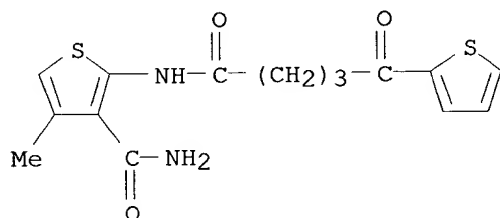
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V. Balasubramanian

LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,  
RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,  
UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,  
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
US 6414013 B1 20020702 US 2000-596550 20000619  
PRAI US 2000-596550 A 20000619  
OS MARPAT 136:69729  
IT **383381-32-6P 383381-75-7P**  
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
(Uses)  
(prepn. of thiophene-3-carboxamides as kinase inhibitors)  
RN 383381-32-6 CAPLUS  
CN 2-Thiophenebutanamide, N-[3-(aminocarbonyl)-4,5-dimethyl-2-thienyl]-  
.gamma.-oxo- (9CI) (CA INDEX NAME)



RN 383381-75-7 CAPLUS  
CN 2-Thiophenepentanamide, N-[3-(aminocarbonyl)-4-methyl-2-thienyl]-.delta.-  
oxo- (9CI) (CA INDEX NAME)



L5 ANSWER 35 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2001:795601 CAPLUS  
DN 136:70030  
TI Enantioselective Synthesis of N-Cbz-Protected 6-Amino-6-deoxymannose,  
-talose, and -gulose  
AU Haukaas, Michael H.; O'Doherty, George A.  
CS Department of Chemistry, University of Minnesota, Minneapolis, MN, 55455,  
USA  
SO Organic Letters (2001), 3(24), 3899-3902  
CODEN: ORLEF7; ISSN: 1523-7060  
PB American Chemical Society  
DT Journal  
LA English



V. Balasubramanian

OS CASREACT 136:70030

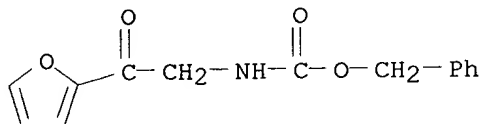
IT **383416-20-4P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(enantioselective synthesis of N-Cbz-protected 6-amino-6-deoxymannose, -talose, and -gulose)

RN 383416-20-4 CAPLUS

CN Carbamic acid, [2-(2-furanyl)-2-oxoethyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 36 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2001:766893 CAPLUS

DN 136:68925

TI Formation of Amadori Compounds in Dehydrated Fruits

AU Sanz, Maria Luz; del Castillo, Maria Dolores; Corzo, Nieves; Olano, Agustin

CS Instituto de Fermentaciones Industriales, Consejo Superior de Investigaciones Cientificas, Madrid, 28006, Spain

SO Journal of Agricultural and Food Chemistry (2001), 49(11), 5228-5231  
CODEN: JAFCAU; ISSN: 0021-8561

PB American Chemical Society

DT Journal

LA English

IT **19746-33-9P 248583-21-3P 297166-97-3P**

**384339-77-9P**

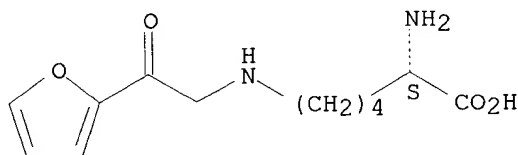
RL: CPN (Combinatorial preparation); NPO (Natural product occurrence);  
BIOL (Biological study); CMBI (Combinatorial study); OCCU (Occurrence);  
PREP (Preparation)

(formation of Amadori compds. in dehydrated fruits)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

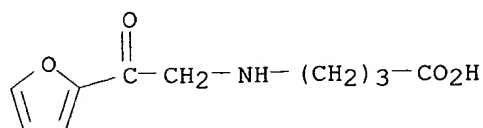
Absolute stereochemistry.



RN 248583-21-3 CAPLUS

CN Butanoic acid, 4-[[2-(2-furanyl)-2-oxoethyl]amino]- (9CI) (CA INDEX NAME)

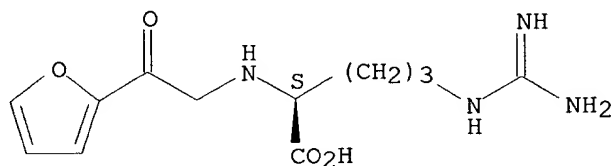
V. Balasubramanian



RN 297166-97-3 CAPLUS

CN L-Arginine, N2-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

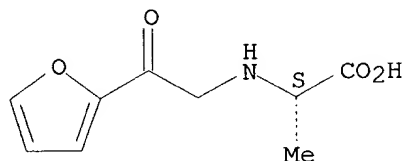
Absolute stereochemistry.



RN 384339-77-9 CAPLUS

CN L-Alanine, N-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 37 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2001:713296 CAPLUS

DN 135:272755

TI Preparation of hydroxamic acids as inhibitors of histone deacetylase

IN Delorme, Daniel; Woo, Soon Hyung; Vaisburg, Arkadii

PA Methylgene, Inc., Can.

SO PCT Int. Appl., 241 pp.

CODEN: PIXXD2

DT Patent

LA English

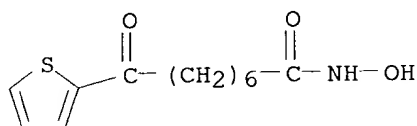
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001070675	A2	20010927	WO 2001-IB683	20010326
	WO 2001070675	A3	20021031		

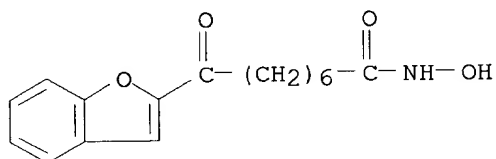
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

V. Balasubramanian

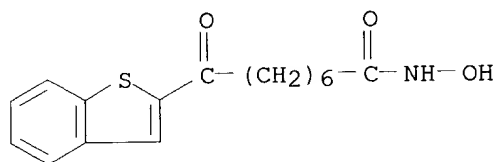
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,  
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
US 2002115826 A1 20020822 US 2001-817374 20010326  
EP 1280764 A2 20030205 EP 2001-921735 20010326  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
PRAI US 2000-192151P P 20000324  
WO 2001-IB683 W 20010326  
OS MARPAT 135:272755  
IT 362669-70-3P 362669-71-4P 362669-72-5P  
362670-40-4P 362671-18-9P 362671-19-0P  
362671-20-3P 362671-21-4P 362671-22-5P  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);  
BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of hydroxamic acids as inhibitors of histone deacetylase)  
RN 362669-70-3 CAPLUS  
CN 2-Thiopheneoctanamide, N-hydroxy-.eta.-oxo- (9CI) (CA INDEX NAME)



RN 362669-71-4 CAPLUS  
CN 2-Benzofuranoctanamide, N-hydroxy-.eta.-oxo- (9CI) (CA INDEX NAME)

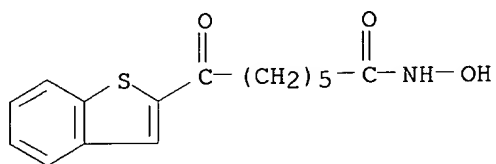


RN 362669-72-5 CAPLUS  
CN Benzo[b]thiophene-2-octanamide, N-hydroxy-.eta.-oxo- (9CI) (CA INDEX  
NAME)



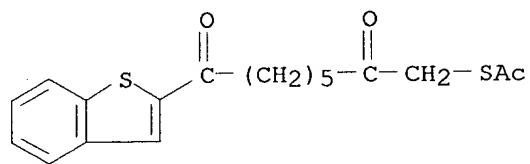
RN 362670-40-4 CAPLUS  
CN Benzo[b]thiophene-2-heptanamide, N-hydroxy-.zeta.-oxo- (9CI) (CA INDEX  
NAME)

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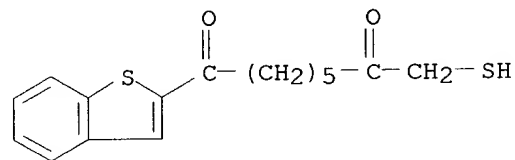
RN 362671-18-9 CAPLUS

CN Ethanethioic acid, S-(8-benzo[b]thien-2-yl-2,8-dioxooctyl) ester (9CI)  
(CA INDEX NAME)



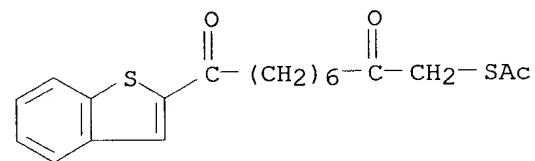
RN 362671-19-0 CAPLUS

CN 1,7-Octanedione, 1-benzo[b]thien-2-yl-8-mercapto- (9CI) (CA INDEX NAME)



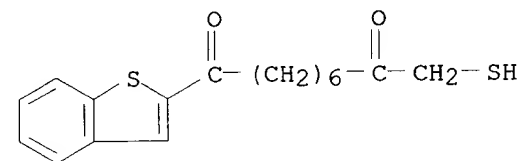
RN 362671-20-3 CAPLUS

CN Ethanethioic acid, S-(9-benzo[b]thien-2-yl-2,9-dioxononyl) ester (9CI)  
(CA INDEX NAME)



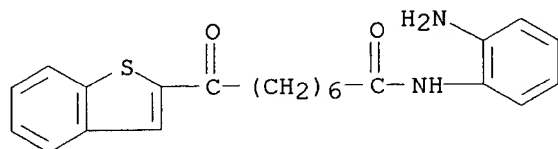
RN 362671-21-4 CAPLUS

CN 1,8-Nonanedione, 1-benzo[b]thien-2-yl-9-mercapto- (9CI) (CA INDEX NAME)



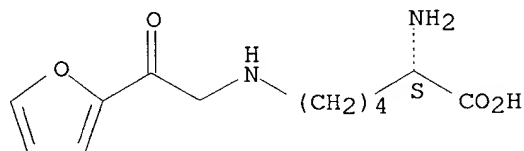
V. Balasubramanian

RN 362671-22-5 CAPLUS  
CN Benzo[b]thiophene-2-octanamide, N-(2-aminophenyl)-.eta.-oxo- (9CI) (CA INDEX NAME)



L5 ANSWER 38 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2001:700460 CAPLUS  
DN 136:231405  
TI Survey of the furosine content in cheeses marketed in Spain  
AU Villamiel, Mar; Arias, Maria; Corzo, Nieves; Olano, Agustin  
CS Instituto de Fermentaciones Industriales (C.S.I.C.), Madrid, E-28006, Spain  
SO Journal of Food Protection (2000), 63(7), 974-975  
CODEN: JFPRDR; ISSN: 0362-028X  
PB International Association for Food Protection  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: ANT (Analyte); OCU (Occurrence, unclassified); POL (Pollutant); ANST (Analytical study); OCCU (Occurrence)  
(survey of furosine content in cheeses marketed in Spain)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 39 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2001:667380 CAPLUS  
DN 135:356945  
TI The Fluorescence of Advanced Maillard Products Is a Good Indicator of Lysine Damage during the Maillard Reaction  
AU Leclere, Juliette; Birlouez-Aragon, Ines  
CS Laboratoire de Chimie Analytique, Institut National Agronomique Paris-Grignon, Paris, 75231, Fr.  
SO Journal of Agricultural and Food Chemistry (2001), 49(10), 4682-4687  
CODEN: JAFCAU; ISSN: 0021-8561  
PB American Chemical Society  
DT Journal  
LA English  
IT **19746-33-9, Furosine**

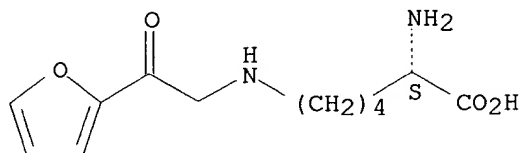
V. Balasubramanian

RL: FMU (Formation, unclassified); FORM (Formation, nonpreparative)  
(fluorescence of advanced Maillard products as a good indicator of  
lysine damage during Maillard reaction)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 40 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2001:599472 CAPLUS

DN 135:344334

TI A combination of Friedel-Crafts and Lawesson reactions to 5-substituted  
2,2'-bithiophenes

AU Raposo, M. Manuela M.; Kirsch, G.

CS Departamento de Quimica, Universidade do Minho, Braga, 4710-057, Port.

SO Heterocycles (2001), 55(8), 1487-1498

CODEN: HTCYAM; ISSN: 0385-5414

PB Japan Institute of Heterocyclic Chemistry

DT Journal

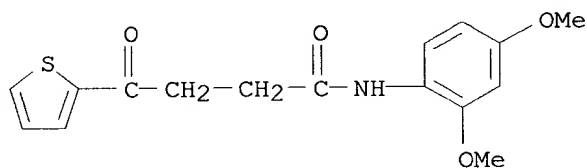
LA English

IT **371149-33-6P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN 371149-33-6 CAPLUS

CN 2-Thiophenebutanamide, N-(2,4-dimethoxyphenyl)-.gamma.-oxo- (9CI) (CA  
INDEX NAME)



IT **371149-32-5P**

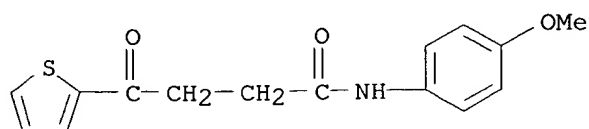
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)

(prepn. of 2,2'-bithiophenes via Friedel-Crafts reaction and Lawesson  
reaction)

RN 371149-32-5 CAPLUS

CN 2-Thiophenebutanamide, N-(4-methoxyphenyl)-.gamma.-oxo- (9CI) (CA INDEX  
NAME)

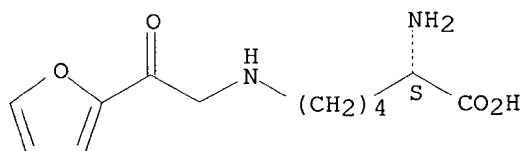
V. Balasubramanian



RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 41 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2001:585578 CAPLUS  
DN 135:256382  
TI Formation kinetics of hydroxymethylfurfural, lactulose and furosine in  
milk heated under isothermal and non-isothermal conditions  
AU Claeys, Wendie L.; Ludikhuyze, Linda R.; Hendrickx, Marc E.  
CS Department of Food and Microbial Technology, Faculty of Agricultural and  
Applied Biological Sciences, Katholieke Universiteit Leuven, Heverlee,  
B-3001, Belg.  
SO Journal of Dairy Research (2001), 68(2), 287-301  
CODEN: JDRSAN; ISSN: 0022-0299  
PB Cambridge University Press  
DT Journal  
LA English  
IT 19746-33-9, Furosine  
RL: FMU (Formation, unclassified); FORM (Formation, nonpreparative)  
(formation kinetics of hydroxymethylfurfural, lactulose and furosine in  
milk heated under isothermal and non-isothermal conditions)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



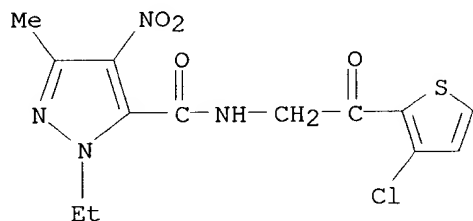
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 42 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2001:507702 CAPLUS  
DN 135:92660  
TI Preparation of substituted pyrazolo[4,3-e][1,4]diazepines as  
phosphodiesterase 4 inhibitors for treatment of obstructive  
bronchopneumopathy and asthma  
IN Burnouf, Catherine; Berecibar, Amaya; Navet, Michel  
PA Warner-Lambert Company, USA  
SO PCT Int. Appl., 211 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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V. Balasubramanian

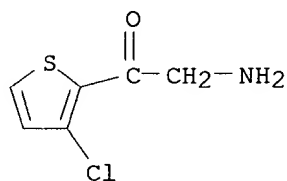
PI WO 2001049689 A2 20010712 WO 2000-EP13380 20001227  
WO 2001049689 A3 20011220  
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,  
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,  
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,  
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,  
YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,  
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
FR 2803299 A1 20010706 FR 2000-95 20000105  
EP 1248787 A2 20021016 EP 2000-991657 20001227  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
BR 2000016926 A 20021119 BR 2000-16926 20001227  
NO 2002003249 A 20020904 NO 2002-3249 20020704  
PRAI FR 2000-95 A 20000105  
WO 2000-EP13380 W 20001227  
OS MARPAT 135:92660  
IT **349494-98-0P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(intermediate; prepn. of substituted pyrazolo[4,3-e][1,4]diazepines as  
phosphodiesterase IV inhibitors for treatment of inflammatory diseases,  
such as obstructive bronchopneumopathy and asthma)  
RN 349494-98-0 CAPLUS  
CN 1H-Pyrazole-5-carboxamide, N-[2-(3-chloro-2-thienyl)-2-oxoethyl]-1-ethyl-3-  
methyl-4-nitro- (9CI) (CA INDEX NAME)



IT **349494-97-9**  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(reactant; prepn. of substituted pyrazolo[4,3-e][1,4]diazepines as  
phosphodiesterase IV inhibitors for treatment of inflammatory diseases,  
such as obstructive bronchopneumopathy and asthma)  
RN 349494-97-9 CAPLUS  
CN Ethanone, 2-amino-1-(3-chloro-2-thienyl)-, hydrochloride (9CI) (CA INDEX  
NAME)



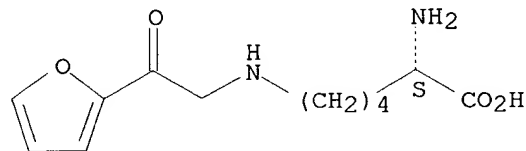
V. Balasubramanian



● HCl

LS ANSWER 43 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2001:392972 CAPLUS  
DN 135:91858  
TI Presence of furosine in honeys  
AU Villamiel, Mar; Del Castillo, M. Dolores; Corzo, Nieves; Olano, Agustin  
CS Instituto de Fermentaciones Industriales (CSIC), Madrid, E-28006, Spain  
SO Journal of the Science of Food and Agriculture (2001), 81(8), 790-793  
CODEN: JSFAAE; ISSN: 0022-5142  
PB John Wiley & Sons Ltd.  
DT Journal  
LA English  
IT **19746-33-9**, furosine  
RL: POL (Pollutant); RCT (Reactant); OCCU (Occurrence); RACT (Reactant or reagent)  
(furosine as indicator to detect overheating during honey manuf)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA-INDEX NAME)

Absolute stereochemistry.



RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

LS ANSWER 44 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2001:367271 CAPLUS  
DN 134:339697  
TI Characterization of UHT low-lactose milk by innovative analytical methods  
AU Corradini, Claudio; Canali, Giovanni; Nicoletti, Isabella; Biondi, Augusto; Vinci, Giuliana  
CS Ist. Cromatografia, C.N.R., Rome, 00016, Italy  
SO Industrie Alimentari (Pinerolo, Italy) (2001), 40(401), 261-266, 271  
CODEN: INALBB; ISSN: 0019-901X  
PB Chiriotti Editori spa  
DT Journal  
LA Italian  
IT **19746-33-9**, Furosine  
RL: ANT (Analyte); FFD (Food or feed use); ANST (Analytical study); BIOL

V. Balasubramanian

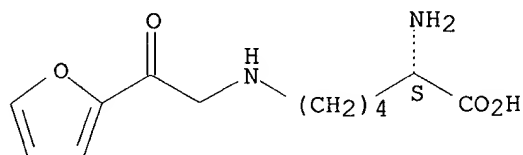
(Biological study); USES (Uses)

(furosine, carbohydrates and proteins anal. in UHT-pasteurized  
low-lactose milk samples by reversed-phase HPLC and MS)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 45 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2001:340819 CAPLUS

DN 135:180499

TI Investigation of the fluorescent properties of 2-acylthiophene derivatives  
in solid state

AU Kishi, Yutaka; Nakazawa, Ken-ichi; Kameda, Tomoko; Kumamoto, Takanobu;  
Tsuboi, Ichiro; Nakamura, Ken-ichiro

CS Department of Chemistry, School of Science, Tokai University, Japan

SO Proceedings of the School of Science of Tokai University (2001), 36, 75-91  
CODEN: PSCUER; ISSN: 0919-5025

PB Tokai University, School of Science

DT Journal

LA Japanese

IT 354800-09-2P 354800-10-5P 354800-11-6P

354800-13-8P 354800-14-9P 354800-15-0P

354800-17-2P 354800-18-3P 354800-19-4P

354800-20-7P 354800-22-9P 354800-23-0P

354800-26-3P 354800-27-4P 354800-28-5P

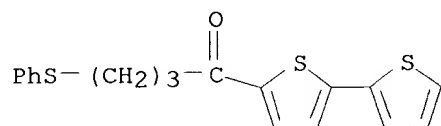
354800-29-6P 354800-31-0P 354800-32-1P

354800-33-2P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(investigation of the fluorescent properties of 2-acylthiophene derivs.  
in solid state)

RN 354800-09-2 CAPLUS

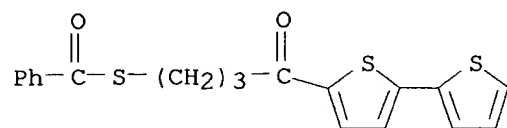
CN 1-Butanone, 1-[2,2'-bithiophen]-5-yl-4-(phenylthio)- (9CI) (CA INDEX  
NAME)



RN 354800-10-5 CAPLUS

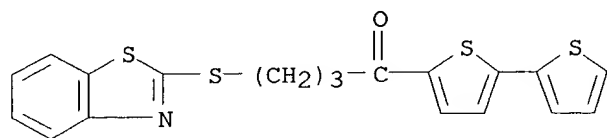
CN Benzenecarbothioic acid, S-(4-[2,2'-bithiophen]-5-yl-4-oxobutyl) ester  
(9CI) (CA INDEX NAME)

V. Balasubramanian



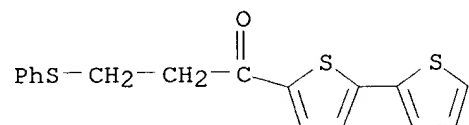
RN 354800-11-6 CAPLUS

CN 1-Butanone, 4-(2-benzothiazolylthio)-1-[2,2'-bithiophen]-5-yl- (9CI) (CA INDEX NAME)



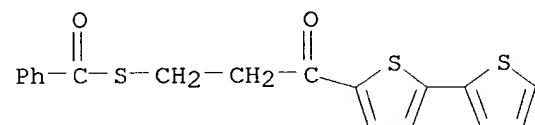
RN 354800-13-8 CAPLUS

CN 1-Propanone, 1-[2,2'-bithiophen]-5-yl-3-(phenylthio)- (9CI) (CA INDEX NAME)



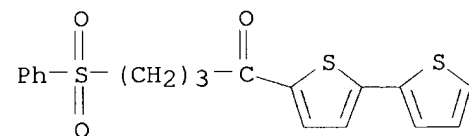
RN 354800-14-9 CAPLUS

CN Benzenecarbothioic acid, S-(3-[2,2'-bithiophen]-5-yl-3-oxopropyl) ester (9CI) (CA INDEX NAME)



RN 354800-15-0 CAPLUS

CN 1-Butanone, 1-[2,2'-bithiophen]-5-yl-4-(phenylsulfonyl)- (9CI) (CA INDEX NAME)

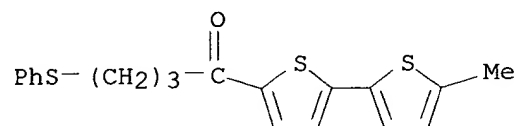


RN 354800-17-2 CAPLUS

CN 1-Butanone, 1-(5'-methyl[2,2'-bithiophen]-5-yl)-4-(phenylthio)- (9CI) (CA INDEX NAME)

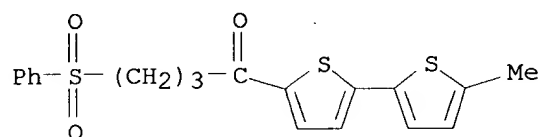
V. Balasubramanian

INDEX NAME)



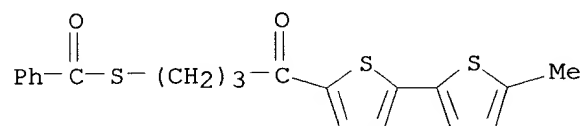
RN 354800-18-3 CAPLUS

CN 1-Butanone, 1-(5'-methyl[2,2'-bithiophen]-5-yl)-4-(phenylsulfonyl)- (9CI)  
(CA INDEX NAME)



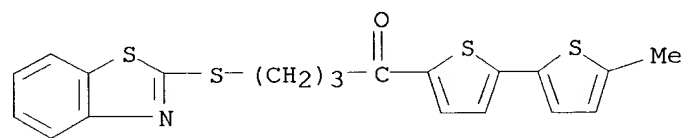
RN 354800-19-4 CAPLUS

CN Benzenecarbothioic acid, S-[4-(5'-methyl[2,2'-bithiophen]-5-yl)-4-oxobutyl] ester (9CI) (CA INDEX NAME)



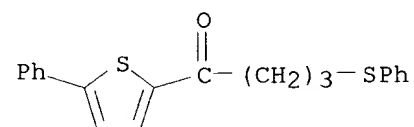
RN 354800-20-7 CAPLUS

CN 1-Butanone, 4-(2-benzothiazolylthio)-1-(5'-methyl[2,2'-bithiophen]-5-yl)- (9CI) (CA INDEX NAME)



RN 354800-22-9 CAPLUS

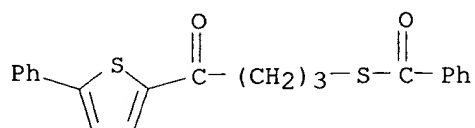
CN 1-Butanone, 1-(5-phenyl-2-thienyl)-4-(phenylthio)- (9CI) (CA INDEX NAME)



RN 354800-23-0 CAPLUS

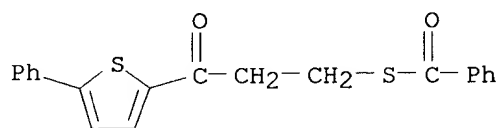
V. Balasubramanian

CN Benzenecarbothioic acid, S-[4-oxo-4-(5-phenyl-2-thienyl)butyl] ester (9CI)  
(CA INDEX NAME)



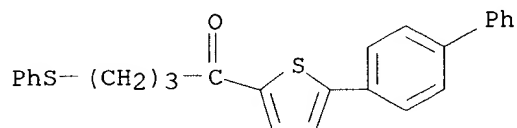
RN 354800-26-3 CAPLUS

CN Benzenecarbothioic acid, S-[3-oxo-3-(5-phenyl-2-thienyl)propyl] ester  
(9CI) (CA INDEX NAME)



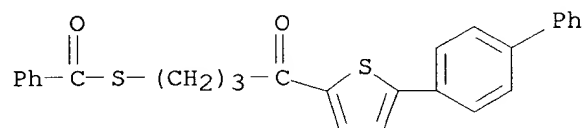
RN 354800-27-4 CAPLUS

CN 1-Butanone, 1-(5-[1,1'-biphenyl]-4-yl-2-thienyl)-4-(phenylthio)- (9CI)  
(CA INDEX NAME)



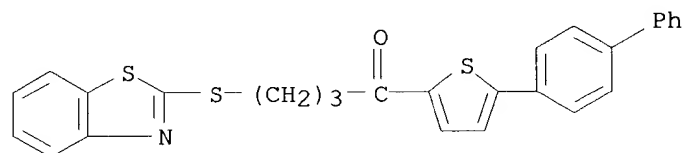
RN 354800-28-5 CAPLUS

CN Benzenecarbothioic acid, S-[4-(5-[1,1'-biphenyl]-4-yl-2-thienyl)-4-oxobutyl] ester (9CI) (CA INDEX NAME)



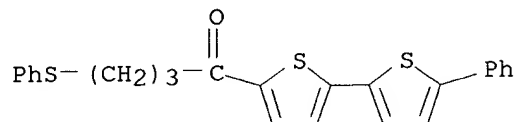
RN 354800-29-6 CAPLUS

CN 1-Butanone, 4-(2-benzothiazolylthio)-1-(5-[1,1'-biphenyl]-4-yl-2-thienyl)-  
(9CI) (CA INDEX NAME)

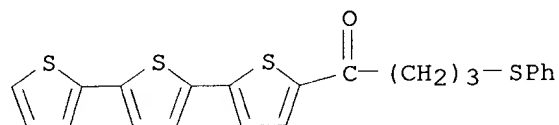


V. Balasubramanian

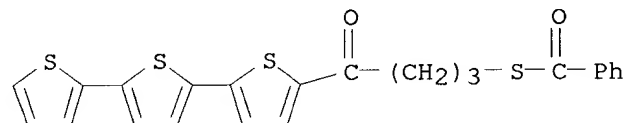
RN 354800-31-0 CAPLUS  
CN 1-Butanone, 1-(5'-phenyl[2,2'-bithiophen]-5-yl)-4-(phenylthio)- (9CI) (CA INDEX NAME)



RN 354800-32-1 CAPLUS  
CN 1-Butanone, 4-(phenylthio)-1-[2,2':5',2''-terthiophen]-5-yl- (9CI) (CA INDEX NAME)



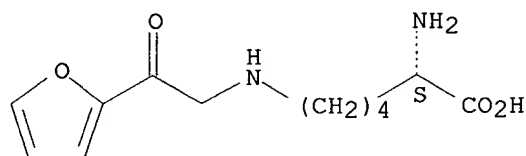
RN 354800-33-2 CAPLUS  
CN Benzenecarbothioic acid, S-(4-oxo-4-[2,2':5',2''-terthiophen]-5-ylbutyl) ester (9CI) (CA INDEX NAME)



L5 ANSWER 46 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2001:334246 CAPLUS  
DN 135:194874  
TI Does processing of a powder or in-bottle-sterilized liquid infant formula affect calcium bioavailability?  
AU Sarria, Beatriz; Lopez-Fandino, Rosino; Vaquero, Maria Pilar  
CS Facultad de Farmacia, Instituto de Nutricion y Bromatologia (CSIC-UCM), Madrid, 28040, Spain  
SO Nutrition (New York, NY, United States) (2001), 17(4), 326-331  
CODEN: NUTRER; ISSN: 0899-9007  
PB Elsevier Science Inc.  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: FFD (Food or feed use); BIOL (Biological study); USES (Uses)  
(dietary calcium bioavailability from powder and in-bottle-sterilized liq. infant formulas in vitro and in rat pups)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

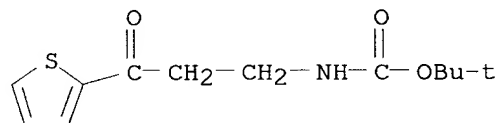
V. Balasubramanian

Absolute stereochemistry.



RE.CNT 30      THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5    ANSWER 47 OF 409    CAPLUS    COPYRIGHT 2003 ACS  
AN    2001:330712    CAPLUS  
DN    135:137374  
TI    Synthesis of .beta.-amino aryl ketones through the addition of ArLi  
derivatives to .beta.-amino esters  
AU    Lima, P. G.; Sequeira, L. C.; Costa, P. R. R.  
CS    Nucleo de Pesquisas de Produtos Naturais, Laboratorio de Quimica  
Bioorganica (LQB), Universidade Federal do Rio de Janeiro (UFRJ), Rio de  
Janeiro, 21941-590, Brazil  
SO    Tetrahedron Letters (2001), 42(21), 3525-3527  
CODEN: TELEAY; ISSN: 0040-4039  
PB    Elsevier Science Ltd.  
DT    Journal  
LA    English  
OS    CASREACT 135:137374  
IT    **351901-55-8P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(synthesis of .beta.-amino aryl ketones through the addn. of  
aryllithium derivs. to .beta.-amino esters)  
RN    351901-55-8    CAPLUS  
CN    Carbamic acid, [3-oxo-3-(2-thienyl)propyl]-, 1,1-dimethylethyl ester (9CI)  
(CA INDEX NAME)



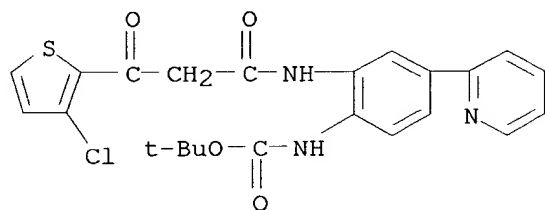
RE.CNT 19      THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5    ANSWER 48 OF 409    CAPLUS    COPYRIGHT 2003 ACS  
AN    2001:300693    CAPLUS  
DN    134:311235  
TI    Preparation of benzodiazepine derivatives as metabotropic glutamate  
receptor antagonists  
IN    Adam, Geo; Alanine, Alexander; Goetschi, Erwin; Mutel, Vincent; Woltering,  
Thomas Johannes  
PA    F. Hoffmann-La Roche Ag, Switz.  
SO    PCT Int. Appl., 142 pp.  
CODEN: PIXXD2  
DT    Patent  
LA    English

09/817,374

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001029012	A2	20010426	WO 2000-EP9554	20000929
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	BR 2000014761	A	20020702	BR 2000-14761	20000929
	EP 1224175	A2	20020724	EP 2000-971302	20000929
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
	US 6509328	B1	20030121	US 2000-687241	20001013
	NO 2002001691	A	20020410	NO 2002-1691	20020410
PRAI	EP 1999-120519	A	19991015		
	WO 2000-EP9554	W	20000929		
OS	MARPAT 134:311235				
IT	<b>335256-59-2P 335256-63-8P 335256-66-1P</b> <b>335256-67-2P 335256-69-4P 335256-73-0P</b> <b>335257-01-7P 335257-02-8P 335257-08-4P</b> <b>335257-16-4P</b> RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (intermediate; prepn. of benzodiazepine derivs. as metabotropic glutamate receptor antagonists for treating or preventing acute and/or chronic neurol. disorders)				
RN	335256-59-2 CAPLUS				
CN	Carbamic acid, [2-[[3-(3-chloro-2-thienyl)-1,3-dioxopropyl]amino]-4-(2-pyridinyl)phenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)				

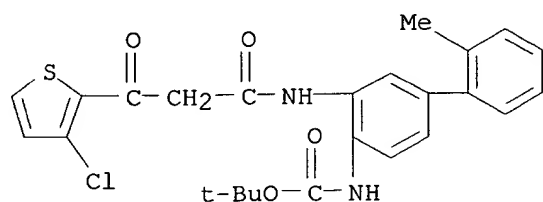


RN 335256-63-8 CAPLUS

CN Carbamic acid, [3-[[3-(3-chloro-2-thienyl)-1,3-dioxopropyl]amino]-2'-methyl[1,1'-biphenyl]-4-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

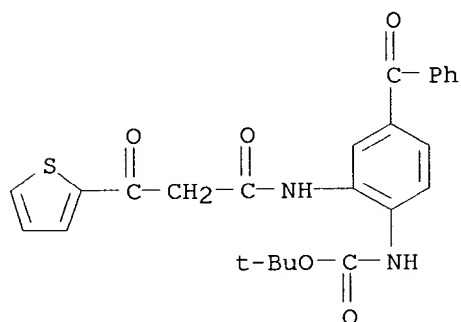


V. Balasubramanian



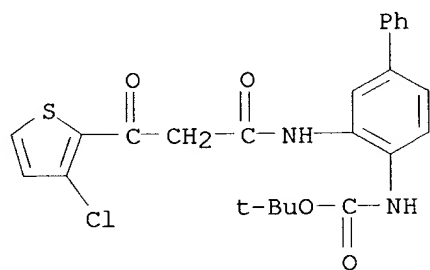
RN 335256-66-1 CAPLUS

CN Carbamic acid, [4-benzoyl-2-[[1,3-dioxo-3-(2-thienyl)propyl]amino]phenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 335256-67-2 CAPLUS

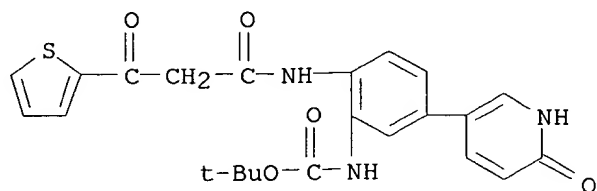
CN Carbamic acid, [3-[[3-(3-chloro-2-thienyl)-1,3-dioxopropyl]amino][1,1'-biphenyl]-4-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 335256-69-4 CAPLUS

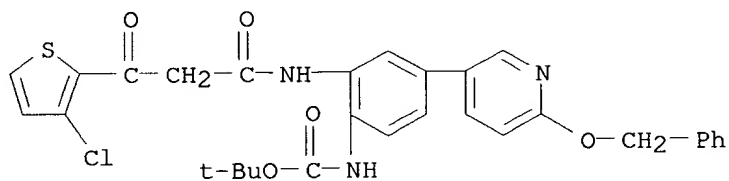
CN Carbamic acid, [5-(1,6-dihydro-6-oxo-3-pyridinyl)-2-[[1,3-dioxo-3-(2-thienyl)propyl]amino]phenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

V. Balasubramanian



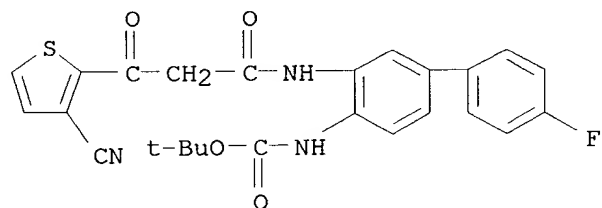
RN 335256-73-0 CAPLUS

CN Carbamic acid, [2-[[3-(3-chloro-2-thienyl)-1,3-dioxopropyl]amino]-4-[6-(phenylmethoxy)-3-pyridinyl]phenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



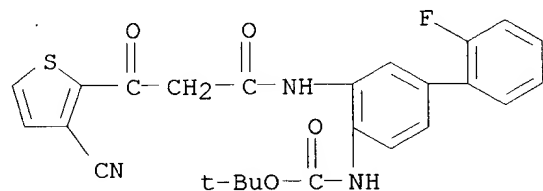
RN 335257-01-7 CAPLUS

CN Carbamic acid, [3-[[3-(3-cyano-2-thienyl)-1,3-dioxopropyl]amino]-4'-fluoro[1,1'-biphenyl]-4-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 335257-02-8 CAPLUS

CN Carbamic acid, [3-[[3-(3-cyano-2-thienyl)-1,3-dioxopropyl]amino]-2'-fluoro[1,1'-biphenyl]-4-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

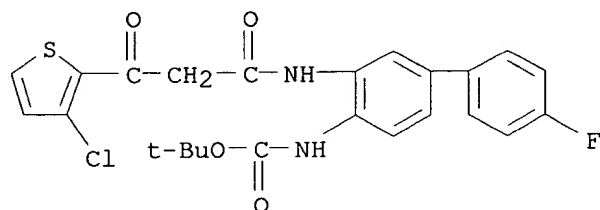


RN 335257-08-4 CAPLUS

CN Carbamic acid, [3-[[3-(3-chloro-2-thienyl)-1,3-dioxopropyl]amino]-4'-fluoro[1,1'-biphenyl]-4-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

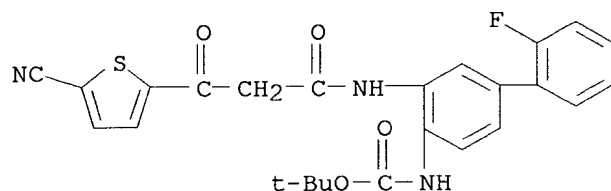
V. Balasubramanian

NAME)



RN 335257-16-4 CAPLUS

CN Carbamic acid, [3-[[3-(5-cyano-2-thienyl)-1,3-dioxopropyl]amino]-2'-fluoro[1,1'-biphenyl]-4-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



L5 ANSWER 49 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2001:300692 CAPLUS

DN 134:311234

TI Preparation of benzodiazepine derivatives as metabotropic glutamate receptor antagonists

IN Adam, Geo; Alanine, Alexander; Goetschi, Erwin; Mutel, Vincent; Woltering, Thomas Johannes

PA F. Hoffmann-La Roche Ag, Switz.

SO PCT Int. Appl., 140 pp.

CODEN: PIXXD2

DT Patent

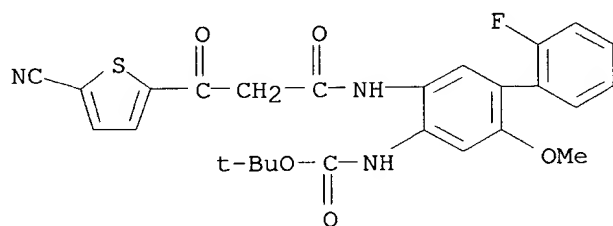
LA English

FAN.CNT 1

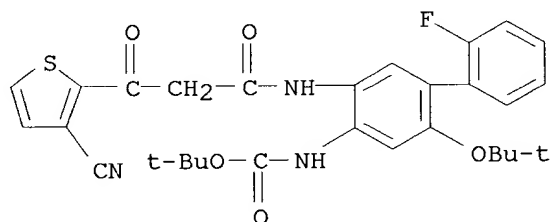
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001029011	A2	20010426	WO 2000-EP9553	20000929
	W:				
	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	BR 2000014859	A	20020716	BR 2000-14859	20000929
	EP 1224174	A2	20020724	EP 2000-969347	20000929
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				

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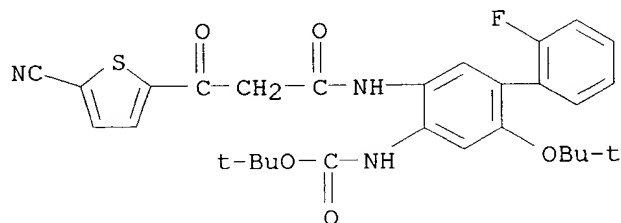
US 6407094 B1 20020618 US 2000-687240 20001013  
NO 2002001690 A 20020410 NO 2002-1690 20020410  
PRAI EP 1999-120520 A 19991015  
WO 2000-EP9553 W 20000929  
OS MARPAT 134:311234  
IT **335351-84-3P 335351-98-9P 335351-99-0P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(intermediate; prepn. of benzodiazepine derivs. as metabotropic  
glutamate receptor antagonists for treating or preventing acute and/or  
chronic neurol. disorders)  
RN 335351-84-3 CAPLUS  
CN Carbamic acid, [5-[[3-(5-cyano-2-thienyl)-1,3-dioxopropyl]amino]-2'-fluoro-  
2-methoxy[1,1'-biphenyl]-4-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX  
NAME)



RN 335351-98-9 CAPLUS  
CN Carbamic acid, [5-[[3-(3-cyano-2-thienyl)-1,3-dioxopropyl]amino]-2-(1,1-  
dimethylethoxy)-2'-fluoro[1,1'-biphenyl]-4-yl]-, 1,1-dimethylethyl ester  
(9CI) (CA INDEX NAME)



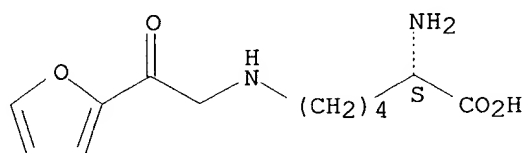
RN 335351-99-0 CAPLUS  
CN Carbamic acid, [5-[[3-(5-cyano-2-thienyl)-1,3-dioxopropyl]amino]-2-(1,1-  
dimethylethoxy)-2'-fluoro[1,1'-biphenyl]-4-yl]-, 1,1-dimethylethyl ester  
(9CI) (CA INDEX NAME)



V. Balasubramanian

L5 ANSWER 50 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2001:263016 CAPLUS  
DN 135:32964  
TI Effect of toasting time on the browning of sliced bread  
AU Ramirez-Jimenez, Antonio; Garcia-Villanova, Belen; Guerra-Hernandez, Eduardo  
CS Departamento de Nutricion y Bromatologia, Facultad de Farmacia, Universidad de Granada, Granada, 18012, Spain  
SO Journal of the Science of Food and Agriculture (2001), 81(5), 513-518  
CODEN: JSFAAE; ISSN: 0022-5142  
PB John Wiley & Sons Ltd.  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); BIOL (Biological study); OCCU (Occurrence)  
(toasting time effect on browning of sliced bread)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

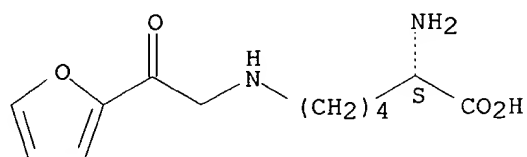


RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 51 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2001:140856 CAPLUS  
DN 134:294823  
TI The influence of batch-pasteurisation on Maillard reaction in sweetened milk products with modified carbohydrate content  
AU Braekman, A.; Mortier, L.; Van Renterghem, R.; De Block, J.  
CS Traders and Agriculture Agricultural Research Centre-Ghent Department of Animal Product Quality and Transformation Technology CLO-DVK, Ministry of Small Enterprises, Melle, B-9090, Belg.  
SO Milchwissenschaft (2001), 56(1), 3-6  
CODEN: MILCAD; ISSN: 0026-3788  
PB VV-GmbH Volkswirtschaftlicher Verlag  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: FMU (Formation, unclassified); FORM (Formation, nonpreparative)  
(batch-pasteurization effect on Maillard reaction in sweetened milk products with modified carbohydrate content)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 52 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2001:114982 CAPLUS  
DN 134:173028  
TI Cyclic amine CCR3 antagonists  
IN Shiota, Tatsuki; Sudoh, Masaki; Yokoyama, Tomonori; Muroga, Yumiko;  
Kamimura, Takashi; Nakanishi, Akinobu  
PA Teijin Ltd., Japan  
SO PCT Int. Appl., 263 pp.  
CODEN: PIXXD2  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001010439	A1	20010215	WO 2000-JP5260	20000804
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	EP 1201239	A1	20020502	EP 2000-950006	20000804
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, MC, IE, SI, LT, LV, FI, RO, MK, CY, AL			
PRAI	JP 1999-220864	A	19990804		
	WO 2000-JP5260	W	20000804		

OS MARPAT 134:173028

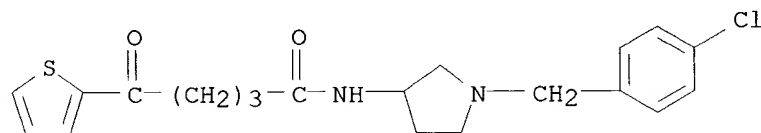
IT 226228-19-9

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(cyclic amine CCR3 antagonists as antiasthmatics and allergy inhibitors)

RN 226228-19-9 CAPLUS

CN 2-Thiophenepentanamide, N-[1-[(4-chlorophenyl)methyl]-3-pyrrolidinyl]-.delta.-oxo- (9CI) (CA INDEX NAME)



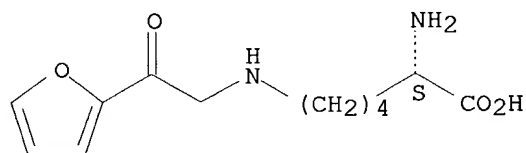
09/817,374

V. Balasubramanian

RE.CNT 28      THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5    ANSWER 53 OF 409    CAPLUS    COPYRIGHT 2003 ACS  
AN    2001:104850    CAPLUS  
DN    134:279746  
TI    Rapid identification of some markers of milk quality by mass spectrometry  
MALDI-tof  
AU    Vinci, Giuliana; Biondi, A.; Tantini, C.; Chiacchierini, E.  
CS    Dip. Controlle Gestione delle Merci, Univ. degli Studi La Sapienza, Rome,  
00161, Italy  
SO    Rivista di Scienza dell'Alimentazione (2000), 29(2), 131-138  
CODEN: RSAIE3; ISSN: 1126-9480  
PB    Fondazione per lo Studio degli Alimenti e della Nutrizione  
DT    Journal  
LA    Italian  
IT    **19746-33-9, Furosine**  
RL: ANT (Analyte); FFD (Food or feed use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
      (protein and other markers of milk quality after heat treatment and  
      preservation as detd. by MS MALDI-tof technique)  
RN    19746-33-9    CAPLUS  
CN    L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 22      THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5    ANSWER 54 OF 409    CAPLUS    COPYRIGHT 2003 ACS  
AN    2001:78379    CAPLUS  
DN    134:147492  
TI    Benzothiophene derivatives useful as GluR6 antagonists for treatment of  
CNS disorders, and their preparation and pharmaceutical formulations  
IN    Baker, Stephen Richard; Bleakman, David; Dominguez Fernandez, Carmen;  
Rubio Esteban, Almudena; Dominguez Manzanares, Esteban  
PA    Eli Lilly and Company, USA  
SO    PCT Int. Appl., 52 pp.  
CODEN: PIXXD2  
DT    Patent  
LA    English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001007431	A2	20010201	WO 2000-US16334	20000718
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,			

V. Balasubramanian

YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,  
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI EP 1999-500123 A 19990721

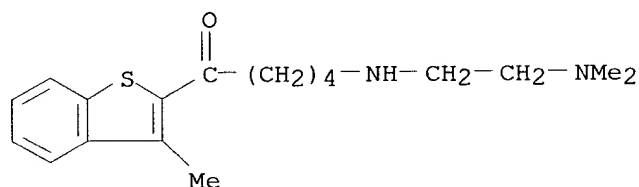
OS MARPAT 134:147492

IT **323176-48-3P**, 2-[5-[[2-(Dimethylamino)ethyl]amino]-1-oxopentyl]-3-methylbenzothiophene dihydrochloride **323176-55-2P**,  
2-[3-(4-Pyridylamino)-1-oxopropyl]-3-methylbenzothiophene dihydrochloride  
**323176-57-4P**, 2-[3-(3-Pyridylamino)-1-oxopropyl]-3-methylbenzothiophene dihydrochloride **323176-70-1P**,  
2-[3-(2-Pyridylamino)-1-oxopropyl]-3-methylbenzothiophene  
**323176-76-7P**, 2-[3-(4-Pyridyl)amino-1-oxopropyl]-3-methylbenzothiophene

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(drug candidate; prepn. of benzothiophene derivs. as GluR6 antagonists for treatment of CNS disorders)

RN 323176-48-3 CAPLUS

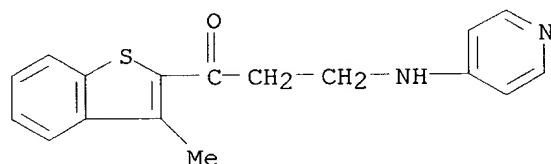
CN 1-Pentanone, 5-[[2-(dimethylamino)ethyl]amino]-1-(3-methylbenzo[b]thien-2-yl)-, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

RN 323176-55-2 CAPLUS

CN 1-Propanone, 1-(3-methylbenzo[b]thien-2-yl)-3-(4-pyridinylamino)-, dihydrochloride (9CI) (CA INDEX NAME)



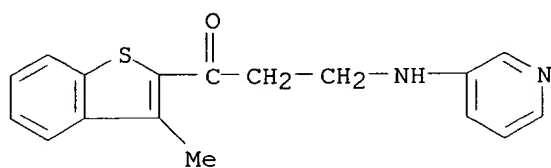
● 2 HCl

RN 323176-57-4 CAPLUS

CN 1-Propanone, 1-(3-methylbenzo[b]thien-2-yl)-3-(3-pyridinylamino)-, dihydrochloride (9CI) (CA INDEX NAME)



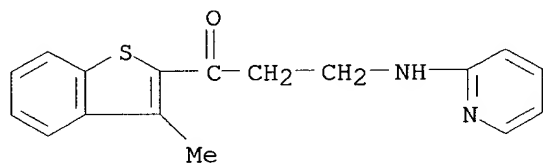
V. Balasubramanian



●2 HCl

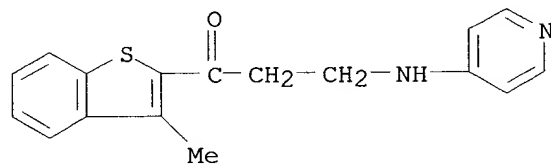
RN 323176-70-1 CAPLUS

CN 1-Propanone, 1-(3-methylbenzo[b]thien-2-yl)-3-(2-pyridinylamino)- (9CI)  
(CA INDEX NAME)



RN 323176-76-7 CAPLUS

CN 1-Propanone, 1-(3-methylbenzo[b]thien-2-yl)-3-(4-pyridinylamino)- (9CI)  
(CA INDEX NAME)



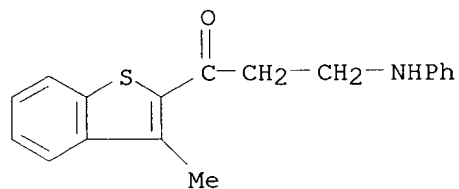
IT **323176-86-9P**, 2-(3-Phenylamino-1-oxopropyl)-3-methylbenzothiophene

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)

(intermediate; prepn. of benzothiophene derivs. as GluR6 antagonists  
for treatment of CNS disorders)

RN 323176-86-9 CAPLUS

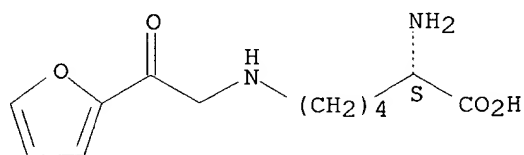
CN 1-Propanone, 1-(3-methylbenzo[b]thien-2-yl)-3-(phenylamino)- (9CI) (CA  
INDEX NAME)



V. Balasubramanian

L5 ANSWER 55 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2001:9219 CAPLUS  
DN 134:177620  
TI Furosine and ribonucleosides: indicators for the heat treatment of milk  
AU Clawin-Radecker, I.; Kiesner, C.; Martin, D.  
CS Institute for Chemistry and Physics, Federal Dairy Research Centre, Kiel,  
Germany  
SO Milchwissenschaft (2000), 55(12), 679-682  
CODEN: MILCAD; ISSN: 0026-3788  
PB VV-GmbH Volkswirtschaftlicher Verlag  
DT Journal  
LA English  
IT 19746-33-9, Furosine  
RL: ANT (Analyte); BAC (Biological activity or effector, except adverse);  
BSU (Biological study, unclassified); ANST (Analytical study); BIOL  
(Biological study)  
(indicators for heat treatment of milk)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

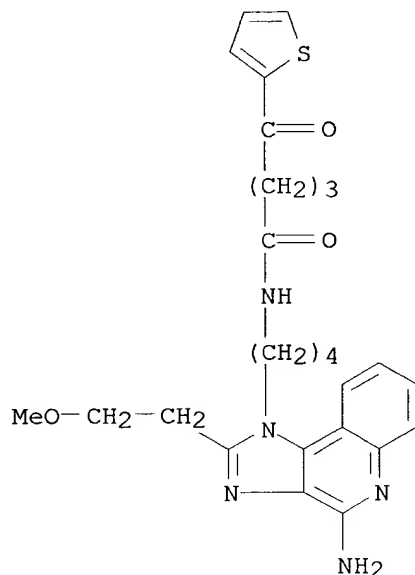
L5 ANSWER 56 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2000:900448 CAPLUS  
DN 134:56665  
TI Preparation of amide substituted imidazoquinolines as immune response  
modifiers  
IN Coleman, Patrick L.; Crooks, Stephen L.; Lindstrom, Kyle J.; Merrill,  
Bryon A.; Rice, Michael J.  
PA 3m Innovative Properties Company, USA  
SO PCT Int. Appl., 170 pp.  
CODEN: PIXXD2  
DT Patent  
LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000076505	A1	20001221	WO 2000-US15702	20000608
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN,				
	CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB,				
	GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,				
	KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,				
	NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR,				
	TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU,				
	TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				
	DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,				

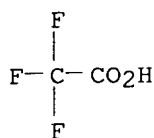
V. Balasubramanian

CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
US 6451810 B1 20020917 US 2000-589580 20000607  
EP 1187613 A1 20020320 EP 2000-950215 20000608  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO  
JP 2003501466 T2 20030114 JP 2001-502838 20000608  
NO 2001005503 A 20020208 NO 2001-5503 20011109  
PRAI US 1999-138365P P 19990610  
US 2000-589580 A 20000607  
WO 2000-US15702 W 20000608  
OS MARPAT 134:56665  
IT **313349-81-4P**  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of amide substituted imidazoquinolines as immune response modifiers)  
RN 313349-81-4 CAPLUS  
CN 2-Thiophenepentanamide, N-[4-[4-amino-2-(2-methoxyethyl)-1H-imidazo[4,5-c]quinolin-1-yl]butyl]-.delta.-oxo-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)  
  
CM 1  
  
CRN 313349-80-3  
CMF C26 H31 N5 O3 S



CM 2  
CRN 76-05-1  
CMF C2 H F3 O2

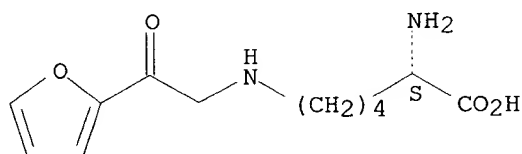
V. Balasubramanian



RE.CNT 3      THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5    ANSWER 57 OF 409    CAPLUS    COPYRIGHT 2003 ACS  
AN    2000:890700    CAPLUS  
DN    134:162139  
TI    Changes in flavor and volatile components during storage of whole and skimmed UHT milk  
AU    Valero, E.; Villamiel, M.; Miralles, B.; Sanz, J.; Martinez-Castro, I.  
CS    Instituto de Quimica Organica General (CSIC), Madrid, 28006, Spain  
SO    Food Chemistry (2000), Volume Date 2001, 72(1), 51-58  
      CODEN: FOCHDJ; ISSN: 0308-8146  
PB    Elsevier Science Ltd.  
DT    Journal  
LA    English  
IT    **19746-33-9**, Furosine  
      RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
      (changes in flavor and volatile components during storage of whole and skimmed UHT milk)  
RN    19746-33-9    CAPLUS  
CN    L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI)    (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 41      THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5    ANSWER 58 OF 409    CAPLUS    COPYRIGHT 2003 ACS  
AN    2000:883553    CAPLUS  
DN    134:310030  
TI    Maillard reaction indicators in commercial tomato products  
AU    Sanz, M. L.; Del Castillo, M. D.; Corzo, N.; Olano, A.  
CS    Instituto de Fermentaciones Industriales (C.S.I.C), Madrid, Spain  
SO    Czech Journal of Food Sciences (2000), 18(Spec. Issue), 120-121  
      CODEN: CJFSFZ; ISSN: 1212-1800  
PB    Ceska Akademie Zemedelskych Ved  
DT    Journal  
LA    English  
IT    **19746-33-9**, Furosine **248583-21-3**  
      RL: BOC (Biological occurrence); BSU (Biological study, unclassified); FMU (Formation, unclassified); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence)

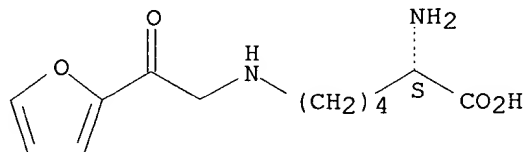
V. Balasubramanian

(in com. tomato products)

RN 19746-33-9 CAPLUS

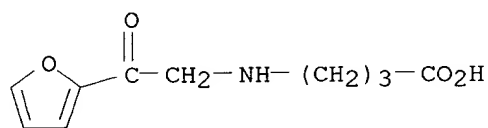
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 248583-21-3 CAPLUS

CN Butanoic acid, 4-[[2-(2-furanyl)-2-oxoethyl]amino]- (9CI) (CA INDEX NAME)



RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 59 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2000:824101 CAPLUS

DN 134:5154

TI Preparation of cyclic amine derivatives as remedies or preventives for diseases in association with chemokines or chemokine receptors

IN Shiota, Tatsuki; Miyagi, Fuminori; Kamimura, Takashi; Ohta, Tomohiro; Takano, Yasuhiro; Horiuchi, Hideki

PA Teijin Limited, Japan

SO PCT Int. Appl., 405 pp.

CODEN: PIXXD2

DT Patent

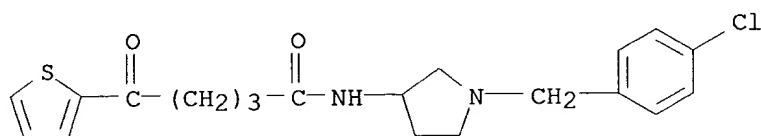
LA Japanese

FAN.CNT 1

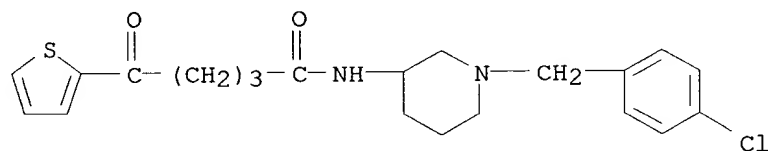
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000069432	A1	20001123	WO 2000-JP3203	20000518
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	EP 1179341	A1	20020213	EP 2000-927808	20000518
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, MC, PT, IE, SI, LT, LV, FI, RO			
	NO 2001005599	A	20011116	NO 2001-5599	20011116
PRAI	JP 1999-175856	A	19990518		
	JP 1999-251464	A	19990906		

V. Balasubramanian

WO 2000-JP3203 W 20000518  
OS MARPAT 134:5154  
IT **226228-19-9P 226229-66-9P**  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of cyclic amine derivs. as remedies or preventives for diseases in assocn. with chemokines or chemokine receptors)  
RN 226228-19-9 CAPLUS  
CN 2-Thiophenepentanamide, N-[1-[(4-chlorophenyl)methyl]-3-pyrrolidinyl]-.delta.-oxo- (9CI) (CA INDEX NAME)



RN 226229-66-9 CAPLUS  
CN 2-Thiophenepentanamide, N-[1-[(4-chlorophenyl)methyl]-3-piperidinyl]-.delta.-oxo- (9CI) (CA INDEX NAME)

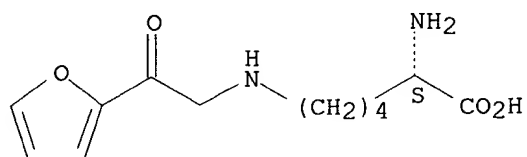


RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 60 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2000:757171 CAPLUS  
DN 134:70515  
TI Degradation of Oligosaccharides in Nonenzymatic Browning by Formation of .alpha.-Dicarbonyl Compounds via a "Peeling Off" Mechanism  
AU Hollnagel, Anke; Kroh, Lothar W.  
CS Institut fuer Lebensmittelchemie, Technische Universitaet Berlin, Berlin, D-13355, Germany  
SO Journal of Agricultural and Food Chemistry (2000), 48(12), 6219-6226  
CODEN: JAFCAU; ISSN: 0021-8561  
PB American Chemical Society  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: FMU (Formation, unclassified); FORM (Formation, nonpreparative)  
(formation from glycosylated glycine)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

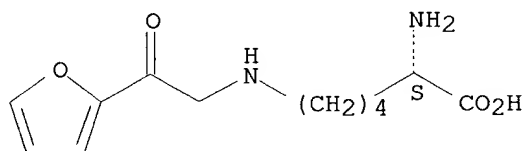
V. Balasubramanian



RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 61 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2000:679731 CAPLUS  
DN 134:162024  
TI Lactulose and furosine as indexes of the degree of heat treatment of milk  
and other food products  
AU Kuncewicz, Andrzej; Panfil-Kuncewicz, Helena; Michalak, Joanna  
CS Univ. Warminsko-Mazurski, Olsztyn, Pol.  
SO Przemysl Spozywczy (2000), 54(5), 20-22,44  
CODEN: PRSPAD; ISSN: 0033-250X  
PB Wydawnictwo SIGMA-NOT  
DT Journal; General Review  
LA Polish  
IT **19746-33-9, Furosine**  
RL: ANT (Analyte); FFD (Food or feed use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(lactulose and furosine as indexes of degree of heat treatment of milk  
and other food products)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

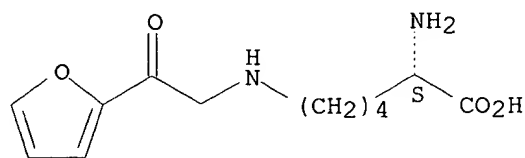


L5 ANSWER 62 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2000:643759 CAPLUS  
DN 133:317268  
TI Inhibitory activity of flavonoids and tannins against HIV-1 protease  
AU Xu, Hong-Xi; Wan, Min; Dong, Hui; But, Paul Pui-Hay; Foo, Lai Yeap  
CS Department of Biology and Institute of Chinese Medicine, The Chinese  
University of Hong Kong, Hong Kong, Hong Kong  
SO Biological & Pharmaceutical Bulletin (2000), 23(9), 1072-1076  
CODEN: BPBLEO; ISSN: 0918-6158  
PB Pharmaceutical Society of Japan  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); BIOL (Biological study)  
(inhibitory activity of flavonoids and tannins against HIV-1 protease)  
RN 19746-33-9 CAPLUS

V. Balasubramanian

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

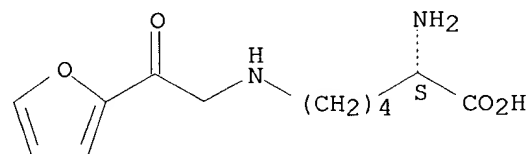
Absolute stereochemistry.



RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 63 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2000:630191 CAPLUS  
DN 134:85282  
TI Studies on the assay of furosine in domestic milk and milk products  
AU Shin, P. K.; Ahn, Y. T.; Kim, H. U.  
CS Lab. of Dairy Technology and Microbiology, Department of Animal science  
and Technology, Seoul National University, Suwon, Kyungkido, 441-744, S.  
Korea  
SO Journal of Animal Science and Technology (2000), 42(3), 325-330  
CODEN: JASTCC  
PB Korean Society of Animal Sciences and Technology  
DT Journal  
LA Korean  
IT 19746-33-9, Furosine  
RL: BOC (Biological occurrence); BSU (Biological study, unclassified);  
BIOL (Biological study); OCCU (Occurrence)  
(assay of, in domestic milk and milk products)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 64 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2000:615755 CAPLUS  
DN 134:16719  
TI The Maillard reaction during the ripening of Manchego cheese  
AU Corzo, N.; Villamiel, M.; Arias, M.; Jimenez-Perez, S.; Morales, F. J.  
CS Instituto de Fermentaciones Industriales, (C.S.I.C.), Madrid, 28006, Spain  
SO Food Chemistry (2000), 71(2), 255-258  
CODEN: FOCHDJ; ISSN: 0308-8146  
PB Elsevier Science Ltd.  
DT Journal  
LA English  
IT 19746-33-9, Furosine  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL  
(Biological study); PROC (Process)



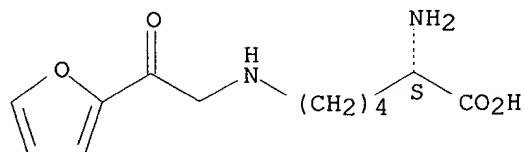
V. Balasubramanian

(Maillard reaction during ripening of Manchego cheese)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 65 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2000:609411 CAPLUS

DN 133:280822

TI Changes in furosine, free monosaccharides, and .beta.-lactoglobulin during storage of dried milk products

AU Villamiel, Mar; Corzo, Nieves

CS Instituto de Fermentaciones Industriales (CSIC), Madrid, 28006, Spain

SO Milchwissenschaft (2000), 55(2), 90-92

CODEN: MILCAD; ISSN: 0026-3788

PB VV-GmbH Volkswirtschaftlicher Verlag

DT Journal

LA English

IT 19746-33-9, Furosine

RL: BOC (Biological occurrence); BSU (Biological study, unclassified);

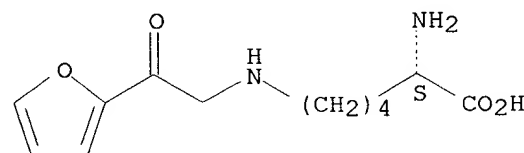
BIOL (Biological study); OCCU (Occurrence)

(changes in furosine, free monosaccharides, and .beta.-lactoglobulin of dried milk products stored under different temp. and water activities)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 66 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2000:601428 CAPLUS

DN 133:331310

TI Aglycone structure influences .alpha.-fucosyltransferase III activity using N-acetyllactosamine glycoside acceptors

AU Miura, Yoshiaki; Kim, Soohyun; Etchison, James R.; Ding, Yili; Hindsgaul, Ole; Freeze, Hudson H.

CS The Burnham Institute, La Jolla, CA, 92037, USA

SO Glycoconjugate Journal (2000), Volume Date 1999, 16(11), 725-730

CODEN: GLJOEW; ISSN: 0282-0080

V. Balasubramanian

PB Kluwer Academic Publishers

DT Journal

LA English

IT 304467-11-6

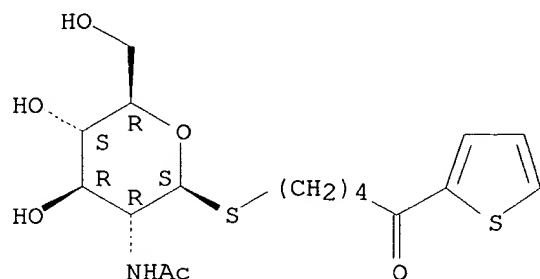
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)

(aglycon structure influences .alpha.-fucosyltransferase III activity using N-acetyllactosamine glycoside acceptors)

RN 304467-11-6 CAPLUS

CN 1-Pentanone, 5-[[2-(acetylamino)-2-deoxy-.beta.-D-glucopyranosyl]thio]-1-(2-thienyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 67 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2000:546715 CAPLUS

DN 133:265906

TI Use of 2-Furoylmethyl Derivatives of GABA and Arginine as Indicators of the Initial Steps of Maillard Reaction in Orange Juice

AU del Castillo, M. Dolores; Villamiel, Mar; Olano, Agustin; Corzo, Nieves

CS Instituto de Fermentaciones Industriales, C/Juan de la Cierva, Madrid, 28006, Spain

SO Journal of Agricultural and Food Chemistry (2000), 48(9), 4217-4220  
CODEN: JAFCAU; ISSN: 0021-8561

PB American Chemical Society

DT Journal

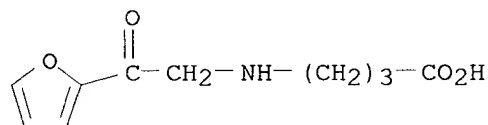
LA English

IT 248583-21-3 297166-97-3

RL: FMU (Formation, unclassified); FORM (Formation, nonpreparative)  
(furoylmethyl derivs. of GABA and arginine as indicators of initial steps of Maillard reaction in orange juice)

RN 248583-21-3 CAPLUS

CN Butanoic acid, 4-[[2-(2-furanyl)-2-oxoethyl]amino]- (9CI) (CA INDEX NAME)



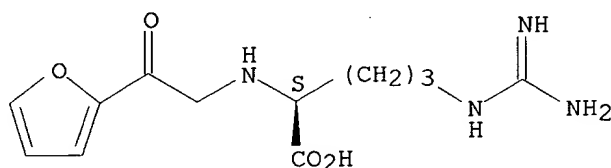
RN 297166-97-3 CAPLUS

09/817,374

V. Balasubramanian

CN L-Arginine, N2-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

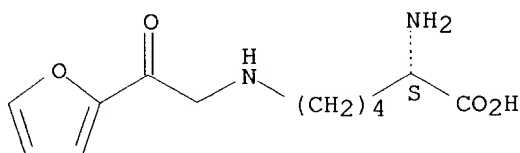
Absolute stereochemistry.



RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 68 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2000:523443 CAPLUS  
DN 133:237075  
TI Browning Indicators in Bread  
AU Ramirez-Jimenez, A.; Guerra-Hernandez, E.; Garcia-Villanova, B.  
CS Departamento de Nutricion y Bromatologia Facultad de Farmacia, Universidad de Granada, Granada, 18012, Spain  
SO Journal of Agricultural and Food Chemistry (2000), 48(9), 4176-4181  
CODEN: JAFCAU; ISSN: 0021-8561  
PB American Chemical Society  
DT Journal  
LA English  
IT 19746-33-9, Furosine  
RL: FMU (Formation, unclassified); FORM (Formation, nonpreparative)  
(browning indicators in bread)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 69 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2000:443371 CAPLUS  
DN 133:163352  
TI Chemical changes during high-temperature short-time treatment of milk in an industrial-scale plant  
AU Villamiel, Mar; Vazquez, Ana; Morais, F.; Corzo, Nieves  
CS Instituto de Fermentaciones Industriales, C.S.I.C, Madrid, 28006, Spain  
SO Milchwissenschaft (2000), 55(6), 320-322  
CODEN: MILCAD; ISSN: 0026-3788  
PB VV-GmbH Volkswirtschaftlicher Verlag  
DT Journal  
LA English  
IT 19746-33-9, Furosine

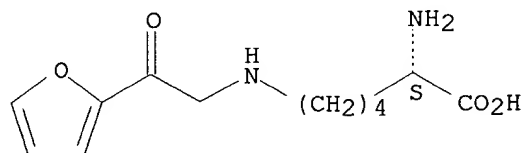
V. Balasubramanian

RL: BPR (Biological process); BSU (Biological study, unclassified); FMU (Formation, unclassified); BIOL (Biological study); FORM (Formation, nonpreparative); PROC (Process)  
(chem. changes during high-temp. short-time treatment of milk)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 70 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2000:424391 CAPLUS

DN 133:308659

TI Mechanisms for the formation of glycosidation products in end-stage renal disease

AU Weiss, Miriam F.; Erhard, Penny; Kader-Attia, Fatma A.; Wu, Yu Ching; DeOreo, Peter B.; Araki, Atsushi; Glomb, Marcus A.; Monnier, Vincent M.  
CS Division of Nephrology, Department of Medicine, University Hospitals of Cleveland, Cleveland, OH, USA

SO Kidney International (2000), 57(6), 2571-2585  
CODEN: KDYIA5; ISSN: 0085-2538

PB Blackwell Science, Inc.

DT Journal

LA English

IT 19746-33-9, Furosine

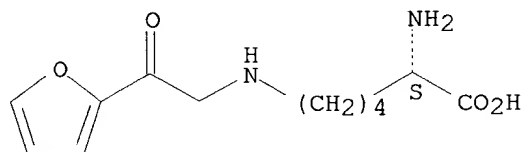
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)

(glycosidation. products formation in uremia influenced by dialysis in diabetic and non-diabetic patients)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 71 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 2000:377545 CAPLUS

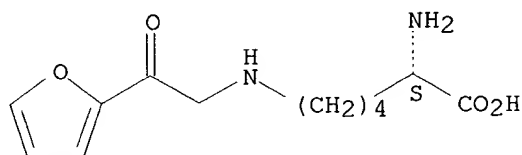
DN 133:176378

TI High-performance liquid chromatographic determination of Maillard compounds in store-brand and name-brand ultra-high-temperature-treated

V. Balasubramanian

cows' milk  
AU Ferrer, E.; Alegria, A.; Courtois, G.; Farre, R.  
CS Faculty of Pharmacy, Nutrition and Food Chemistry, University of Valencia,  
Burjassot, 46100, Spain  
SO Journal of Chromatography, A (2000), 881(1+2), 599-606  
CODEN: JCRAEY; ISSN: 0021-9673  
PB Elsevier Science B.V.  
DT Journal  
LA English  
IT 19746-33-9, Furosine  
RL: ANT (Analyte); BAC (Biological activity or effector, except adverse);  
BSU (Biological study, unclassified); ANST (Analytical study); BIOL  
(Biological study)  
(HPLC detn. of Maillard compds. in store-brand and name-brand  
ultra-high-temp.-treated cows' milk)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



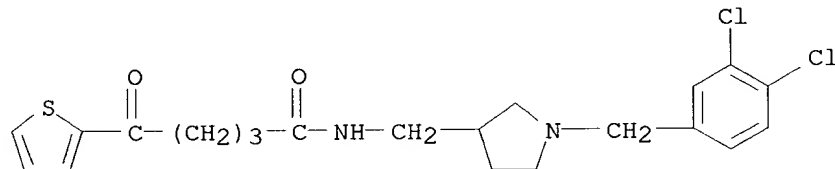
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 72 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2000:366135 CAPLUS  
DN 133:4595  
TI Preparation of N-pyrrolidinylmethylalkanoamides and analogs as CCR-3  
receptor antagonists  
IN Rogers, Daniel Harry; Saunders, John; Williams, John Patrick  
PA F. Hoffmann-La Roche A.-G., Switz.  
SO Ger. Offen., 50 pp.  
CODEN: GWXXBX  
DT Patent  
LA German  
FAN.CNT 1

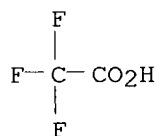
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19955794	A1	20000531	DE 1999-19955794	19991119
	WO 2000031032	A1	20000602	WO 1999-EP8665	19991111
	W:				
	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,				
	DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,				
	JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,				
	MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,				
	TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,				
	MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,				
	DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,				
	CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	BR 9915520	A	20010717	BR 1999-15520	19991111
	EP 1131288	A1	20010912	EP 1999-972623	19991111
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

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IE, SI, LT, LV, FI, RO  
JP 2002530374 T2 20020917 JP 2000-583860 19991111  
GB 2343893 A1 20000524 GB 1999-27227 19991117  
GB 2343893 B2 20020109  
FR 2786185 A1 20000526 FR 1999-14495 19991118  
US 6166015 A 20001226 US 1999-442656 19991118  
ES 2158814 A1 20010901 ES 1999-2547 19991119  
ES 2158814 B1 20020316  
IT 1307900 B1 20011119 IT 1999-TO1009 19991119  
NO 2001002411 A 20010516 NO 2001-2411 20010516  
PRAI US 1998-109297P P 19981120  
WO 1999-EP8665 W 19991111  
OS MARPAT 133:4595  
IT **270911-92-7P**  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of N-pyrrolidinylmethylalkanoamides and analogs as CCR-3 receptor antagonists)  
RN 270911-92-7 CAPLUS  
CN 2-Thiophenepentanamide, N-[[1-[(3,4-dichlorophenyl)methyl]-3-pyrrolidinyl)methyl]-.delta.-oxo-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)  
CM 1  
CRN 270911-91-6  
CMF C21 H24 Cl2 N2 O2 S



CM 2  
CRN 76-05-1  
CMF C2 H F3 O2

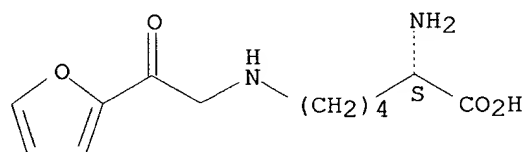


L5 ANSWER 73 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2000:322443 CAPLUS  
DN 133:104146  
TI Effect of durum wheat genotype and environment on the heat-damage of dried pasta

V. Balasubramanian

AU Boggini, G.; D'Egidio, M. G.; De Noni, I.; Pellegrino, L.; Racinelli, F.;  
Pagani, M. A.  
CS Experimental Institute for Cereal Crops, Rome, 00191, Italy  
SO Journal of Genetics & Breeding (1999), 53(4), 337-347  
CODEN: JGBREX; ISSN: 0394-9257  
PB Experimental Institute for Cereal Research  
DT Journal  
LA English  
IT 19746-33-9, Furosine  
RL: BOC (Biological occurrence); BSU (Biological study, unclassified);  
BIOL (Biological study); OCCU (Occurrence)  
(effect of durum wheat genotype and environment on the heat-damage of  
dried pasta)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



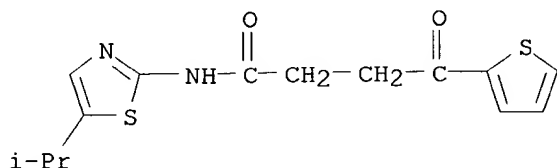
RE.CNT 57 THERE ARE 57 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 74 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2000:314687 CAPLUS  
DN 132:334454  
TI Preparation of 2-amino-thiazole derivatives as antitumor agents  
IN Pevarello, Paolo; Amici, Raffaella; Traquandi, Gabriella; Villa, Manuela;  
Vulpetti, Anna; Isacchi, Antonella  
PA Pharmacia & Upjohn S.p.A., Italy  
SO PCT Int. Appl., 115 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000026202	A1	20000511	WO 1999-EP8306	19991027
	W:		AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
	RW:		GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		
	EP 1124810	A1	20010822	EP 1999-955931	19991027
	R:		AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO		
	BR 9914958	A	20011218	BR 1999-14958	19991027
	JP 2002528537	T2	20020903	JP 2000-579591	19991027
	NO 2001002057	A	20010628	NO 2001-2057	20010426
PRAI	GB 1998-23871	A	19981030		
	US 1998-823871	A	19981030		

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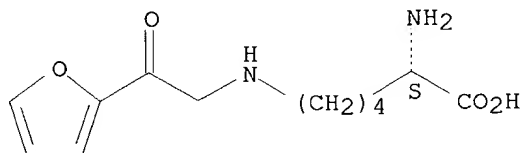
WO 1999-EP8306 W 19991027  
OS MARPAT 132:334454  
IT **267657-34-1P**  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of 2-amino-thiazole derivs. as antitumor agents)  
RN 267657-34-1 CAPLUS  
CN 2-Thiophenebutanamide, N-[5-(1-methylethyl)-2-thiazolyl]-.gamma.-oxo-  
(9CI) (CA INDEX NAME)



RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 75 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2000:254345 CAPLUS  
DN 133:134453  
TI Distribution of alkaline phosphatase activity in the round side of Grana Padano cheese  
AU Pellegrino, L.; Stroppa, A.  
CS Dipartimento di Scienze e Tecnologie Alimentari e Microbiologiche (DISTAM), Universita degli Studi, Milan, Italy  
SO Industria del Latte (1999), 35(1-2), 23-37  
CODEN: INLADZ; ISSN: 0019-7513  
PB Centro Sperimentale del Latte  
DT Journal  
LA Italian  
IT **19746-33-9**, Furosine  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(distribution of alk. phosphatase activity in the round side of Grana Padano cheese)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 76 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2000:243691 CAPLUS

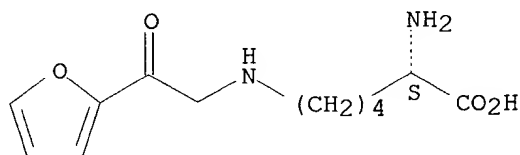
09/817,374



V. Balasubramanian

DN 132:333572  
TI Influence of maillard reaction on protein modification and color development in pasta. Comparison of different drying conditions  
AU Acquistucci, Rita  
CS National Institute of Nutrition, Rome, 00178, Italy  
SO Lebensmittel-Wissenschaft und -Technologie (2000), 33(1), 48-52  
CODEN: LBWTAP; ISSN: 0023-6438  
PB Academic Press  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(influence of Maillard reaction on protein modification and color development in pasta, comparison of different drying conditions)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

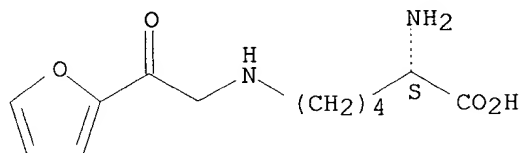
Absolute stereochemistry.



RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 77 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2000:235838 CAPLUS  
DN 132:325232  
TI A syndrome of molybdenosis, copper deficiency, and type 2 diabetes in the moose population of south-west Sweden  
AU Frank, A.; Sell, D. R.; Danielsson, R.; Fogarty, J. F.; Monnier, V. M.  
CS Faculty of Veterinary Medicine, Department of Clinical Chemistry, Swedish University of Agricultural Sciences, Uppsala, S-750 07, Swed.  
SO Science of the Total Environment (2000), 249(1-3), 123-131  
CODEN: STENDL; ISSN: 0048-9697  
PB Elsevier Science Ireland Ltd.  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(molybdenosis and copper deficiency and diabetes in moose population of south-west Sweden)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



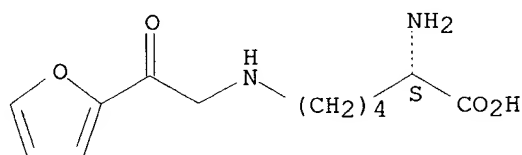
V. Balasubramanian

RE.CNT 61      THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5    ANSWER 78 OF 409    CAPLUS    COPYRIGHT 2003 ACS  
AN    2000:227447    CAPLUS  
DN    132:250353  
TI    Process for controlling Maillard-type glycation of whey proteins and  
      products with enhanced functional properties  
IN    Boland, Michael John; Hill, Jeremy Paul; Higgs, Kerianne Carol; Haggarty,  
      Neill Ward; Campanella, Maria Estela Puchulu  
PA    New Zealand Dairy Research Institute, N. Z.  
SO    PCT Int. Appl., 53 pp.  
      CODEN: PIXXD2  
DT    Patent  
LA    English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000018249	A1	20000406	WO 1999-NZ163	19990928
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 9958873	A1	20000417	AU 1999-58873	19990928
PRAI	NZ 1998-332080	A	19980928		
	WO 1999-NZ163	W	19990928		
IT	19746-33-9, Furosine				
	RL: ANT (Analyte); ANST (Analytical study)				
	(process for controlling Maillard-type glycation of whey proteins and products with enhanced functional properties)				
RN	19746-33-9    CAPLUS				
CN	L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI)    (CA INDEX NAME)				

Absolute stereochemistry.



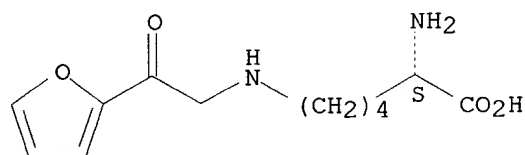
RE.CNT 3      THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5    ANSWER 79 OF 409    CAPLUS    COPYRIGHT 2003 ACS  
AN    2000:203953    CAPLUS  
DN    133:88695  
TI    Protein nutritive utilization in rats fed powder and liquid infant  
      formulas  
AU    Sarria, B.; Lopez-Fandino, R.; Vaquero, M. P.  
CS    Instituto de Nutricion y Bromatologia (CSIC-UCM), Facultad de Farmacia,

V. Balasubramanian

Madrid, 28040, Spain  
SO Food Science and Technology International (Frederick, Maryland) (2000),  
6(1), 9-16  
CODEN: FSTIFZ; ISSN: 1082-0132  
PB Aspen Publishers, Inc.  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL  
(Biological study); PROC (Process)  
(protein nutritive utilization in response to powder and liq. infant  
formulas)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

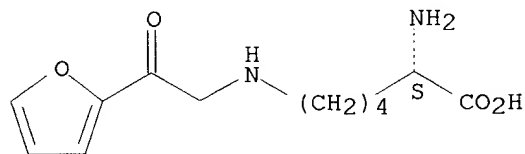
Absolute stereochemistry.



RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 80 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2000:201655 CAPLUS  
DN 132:333511  
TI Determination of furosine in hydrolyzate of processed milk by HPLC using a  
narrow bore column and diode-array detector  
AU Nicoletti, I.; Cogliandro, E.; Corradini, C.; Corradini, D.; Pizzoferrato,  
L.  
CS Istituto di Cromatografia del C.N.R., Rome, I-00016, Italy  
SO Journal of Liquid Chromatography & Related Technologies (2000), 23(5),  
717-726  
CODEN: JLCTFC; ISSN: 1082-6076  
PB Marcel Dekker, Inc.  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. of furosine in hydrolyzate of processed milk by HPLC using a  
narrow bore column and diode-array detector)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

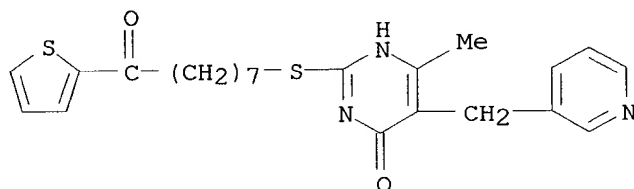
Absolute stereochemistry.



RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 81 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 2000:177181 CAPLUS  
 DN 132:308308  
 TI 2-(Alkylthio)pyrimidin-4-ones as novel, reversible inhibitors of  
 lipoprotein-associated phospholipase A2  
 AU Boyd, Helen F.; Flynn, Sean T.; Hickey, Deirdre M. B.; Ife, Robert J.;  
 Jones, Martin; Leach, Colin A.; Macphee, Colin H.; Milliner, Kevin J.;  
 Rawlings, D. Anthony; Slingsby, Brian P.; Smith, Stephen A.; Stansfield,  
 Ian G.; Tew, David G.; Theobald, Colin J.  
 CS SmithKline Beecham Pharmaceuticals, Essex, CM19 5AW, UK  
 SO Bioorganic & Medicinal Chemistry Letters (2000), 10(4), 395-398  
 CODEN: BMCLE8; ISSN: 0960-894X  
 PB Elsevier Science Ltd.  
 DT Journal  
 LA English  
 IT **265094-48-2P**  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
 study, unclassified); SPN (Synthetic preparation); BIOL (Biological  
 study); PREP (Preparation)  
 ((alkylthio)pyrimidinones as reversible inhibitors of  
 lipoprotein-assocd. phospholipase A2)  
 RN 265094-48-2 CAPLUS  
 CN 4(1H)-Pyrimidinone, 6-methyl-2-[[8-oxo-8-(2-thienyl)octyl]thio]-5-(3-  
 pyridinylmethyl)- (9CI) (CA INDEX NAME)



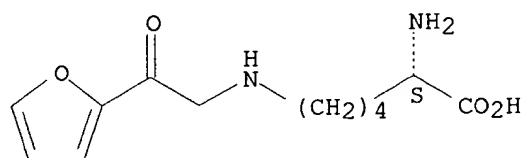
RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 82 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 2000:121458 CAPLUS  
 DN 133:16672  
 TI The influence of manufacturing technologies on the formulation of early  
 infant formulas  
 AU Evangelisti, Filippo; Calcagno, Claudio; Zunin, Paola; Nardi, Simonetta  
 CS Dip. Chimica e Tecnologie Farm. Alimentari, Univ. Genova, Genoa, 16147,  
 Italy  
 SO Industrie Alimentari (Pinerolo, Italy) (1999), 38(387), 1401-1405  
 CODEN: INALBB; ISSN: 0019-901X  
 PB Chiriotti Editori spa  
 DT Journal  
 LA Italian  
 IT **19746-33-9**, Furosine  
 RL: ANT (Analyte); FFD (Food or feed use); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (infant formulas chem. compn. and impact of manufg. technologies)  
 RN 19746-33-9 CAPLUS

V. Balasubramanian

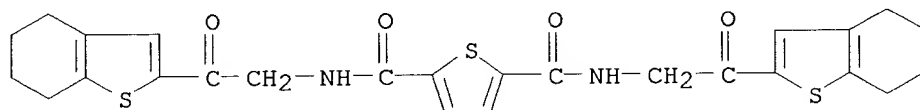
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



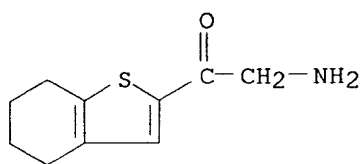
RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 83 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2000:119504 CAPLUS  
DN 132:265135  
TI Structure-property relationships in mixed oligoheterocycles based on  
end-capped oligothiophenes  
AU Mitschke, Ullrich; Debaerdemaeker, Tony; Bauerle, Peter  
CS Universitat Ulm, Abteilung Organische Chemie II, Ulm, D-89081, Germany  
SO European Journal of Organic Chemistry (2000), (3), 425-437  
CODEN: EJOCFK; ISSN: 1434-193X  
PB Wiley-VCH Verlag GmbH  
DT Journal  
LA English  
OS CASREACT 132:265135  
IT **224453-04-7P 263148-70-5P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(prepn. and structure-property relationships in mixed oligoheterocycles  
related to end-capped oligothiophenes)  
RN 224453-04-7 CAPLUS  
CN 2,5-Thiophenedicarboxamide, N,N'-bis[2-oxo-2-(4,5,6,7-  
tetrahydrobenzo[b]thien-2-yl)ethyl]- (9CI) (CA INDEX NAME)



RN 263148-70-5 CAPLUS  
CN Ethanone, 2-amino-1-(4,5,6,7-tetrahydrobenzo[b]thien-2-yl)-, hydrochloride  
(9CI) (CA INDEX NAME)

V. Balasubramanian

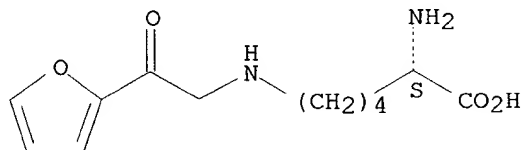


● HCl

RE.CNT 112 THERE ARE 112 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 84 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2000:85326 CAPLUS  
DN 132:236143  
TI Effect of Malondialdehyde on the Determination of Furosine in Milk-Based Products  
AU Morales, Francisco J.; Jimenez-Perez, Salvio  
CS Departamento de Productos Lacteos, Instituto del Frio (CSIC), Madrid, 28040, Spain  
SO Journal of Agricultural and Food Chemistry (2000), 48(3), 680-684  
CODEN: JAFCAU; ISSN: 0021-8561  
PB American Chemical Society  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: ANT (Analyte); ANST (Analytical study)  
(effect of malondialdehyde on detn. of furosine in milk-based products)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



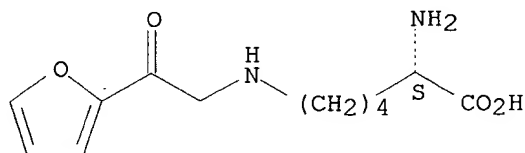
RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 85 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2000:51650 CAPLUS  
DN 132:178555  
TI Longitudinal determination of skin collagen glycation and glycoxidation rates predicts early death in C57BL/6NNia mice  
AU Sell, David R.; Kleinman, Nanette R.; Monnier, Vincent M.  
CS Institute of Pathology, Case Western Reserve University, Cleveland, OH, 44106, USA  
SO FASEB Journal (2000), 14(1), 145-156  
CODEN: FAJOEC; ISSN: 0892-6638  
PB Federation of American Societies for Experimental Biology

V. Balasubramanian

DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); MEM (Metabolic formation); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence)  
(longitudinal detn. of skin collagen glycation and glycoxidn. rates predicts early death in C57BL/6NNia mice)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

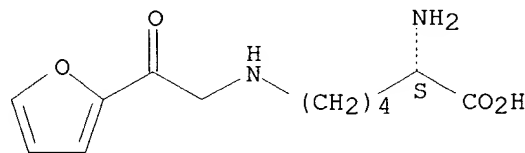
Absolute stereochemistry.



RE.CNT 58 THERE ARE 58 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

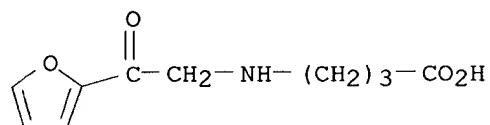
L5 ANSWER 86 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 2000:6541 CAPLUS  
DN 132:179708  
TI Presence of 2-Furoylmethyl Derivatives in Hydrolysates of Processed Tomato Products  
AU Sanz, M. Luz; Del Castillo, M. Dolores; Corzo, Nieves; Olano, Agustin  
CS Instituto de Fermentaciones Industriales (CSIC), Madrid, 28006, Spain  
SO Journal of Agricultural and Food Chemistry (2000), 48(2), 468-471  
CODEN: JAFCAU; ISSN: 0021-8561  
PB American Chemical Society  
DT Journal  
LA English  
IT **19746-33-9, Furosine 248583-21-3**  
RL: FMU (Formation, unclassified); FORM (Formation, nonpreparative)  
(presence of 2-furoylmethyl derivs. in hydrolyzates of processed tomato products)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 248583-21-3 CAPLUS  
CN Butanoic acid, 4-[[2-(2-furanyl)-2-oxoethyl]amino]- (9CI) (CA INDEX NAME)

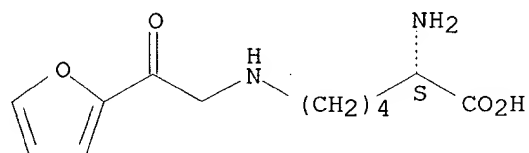
V. Balasubramanian



RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 87 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1999:773438 CAPLUS  
DN 132:121633  
TI Hydroxymethylfurfural and Furosine Reaction Kinetics in Tomato Products  
AU Hidalgo, Alyssa; Pompei, Carlo  
CS Dipartimento di Scienze e Tecnologie Alimentari e Microbiologiche  
(DISTAM), Universita degli Studi di Milano, Milan, 20133, Italy  
SO Journal of Agricultural and Food Chemistry (2000), 48(1), 78-82  
CODEN: JAFCAU; ISSN: 0021-8561  
PB American Chemical Society  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(hydroxymethylfurfural and furosine reaction kinetics in tomato  
products)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 88 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1999:760024 CAPLUS  
DN 132:93653  
TI Preparation of .alpha.-ketoamide peptides as antiviral HCV proteinase  
inhibitors  
IN Hurst, David Nigel; Jones, Philip Stephen; Kay, Paul Brittain; Raynham,  
Tony Michael; Wilson, Francis Xavier  
PA F. Hoffmann-La Roche A.-G., Switz.  
SO Fr. Demande, 130 pp.  
CODEN: FRXXBL  
DT Patent  
LA French  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2778406	A1	19991112	FR 1999-5650	19990504

09/817,374



V. Balasubramanian

US 6187905	B1	20010213	US 1999-305030	19990504
IT 1312558	B1	20020422	IT 1999-MI950	19990504
GB 2338482	A1	19991222	GB 1999-10384	19990505
ES 2165269	A1	20020301	ES 1999-918	19990505
JP 11349597	A2	19991221	JP 1999-125419	19990506
DE 19920966	A1	20000113	DE 1999-19920966	19990506
PRAI GB 1998-9664	A	19980506		

OS MARPAT 132:93653

IT **254439-79-7P 254440-15-8P**

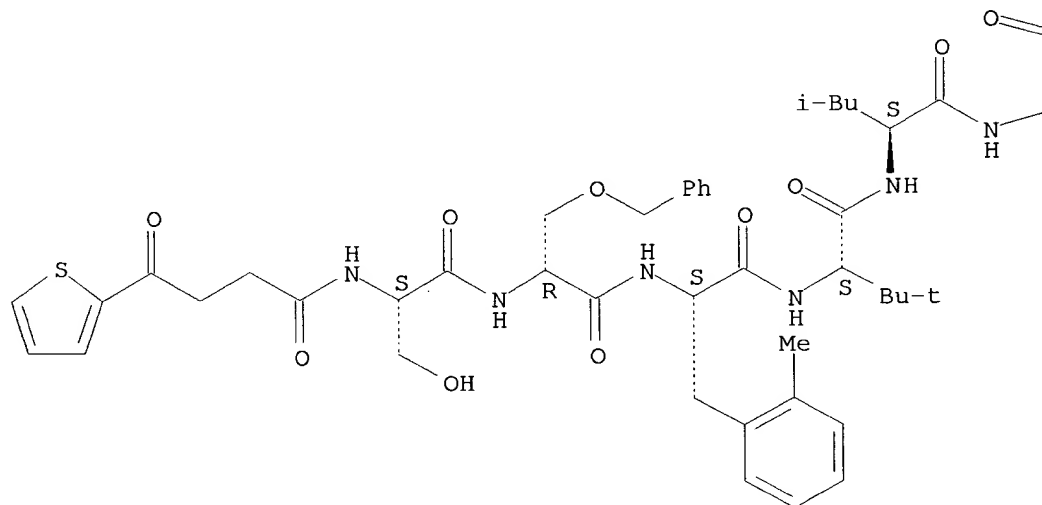
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of .alpha.-ketoamide peptides as antiviral HCV proteinase inhibitors)

RN 254439-79-7 CAPLUS

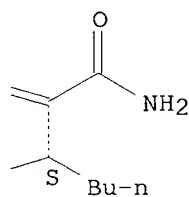
CN L-Leucinamide, N-[1,4-dioxo-4-(2-thienyl)butyl]-L-seryl-O-(phenylmethyl)-D-seryl-2-methyl-L-phenylalanyl-3-methyl-L-valyl-N-[(1S)-1-(aminooxoacetyl)pentyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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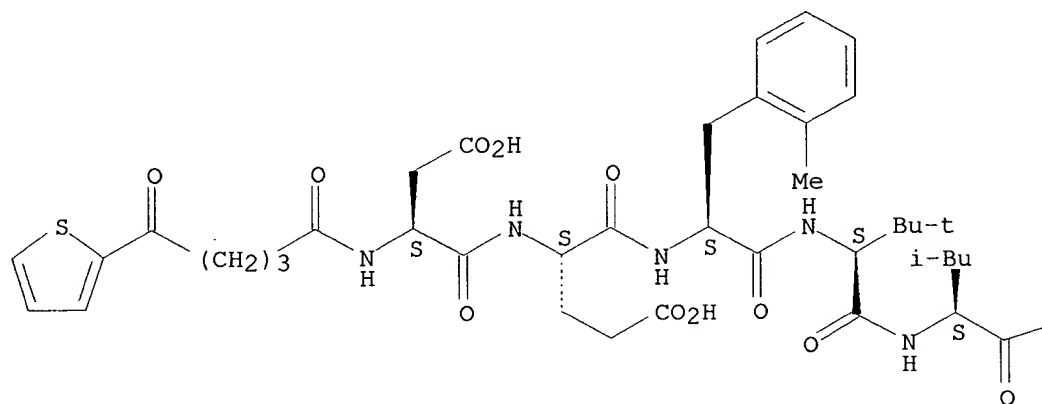
RN 254440-15-8 CAPLUS

V. Balasubramanian

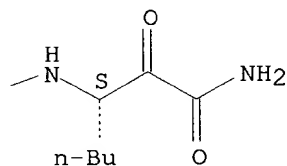
CN L-Leucinamide, N-[1,5-dioxo-5-(2-thienyl)pentyl]-L-.alpha.-aspartyl-L-.alpha.-glutamyl-2-methyl-L-phenylalanyl-3-methyl-L-valyl-N-[(1S)-1-(aminooxoacetyl)pentyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



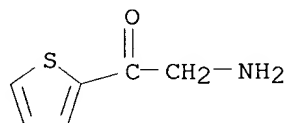
L5 ANSWER 89 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1999:723031 CAPLUS  
DN 131:337023  
TI Heterocyclic carboxamide derivatives as inhibitors of nitric oxide production  
IN Shima, Ichiro; Ohkawa, Takehiko; Ohne, Kazuhiko; Zenko, Tatsuya; Oku, Teruo; Yoshihara, Kousei; Setoi, Hiroyuki  
PA Fujisawa Pharmaceutical Co., Ltd., Japan  
SO PCT Int. Appl., 88 pp.  
CODEN: PIXXD2  
DT Patent  
LA English

09/817,374

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FAN.CNT 2

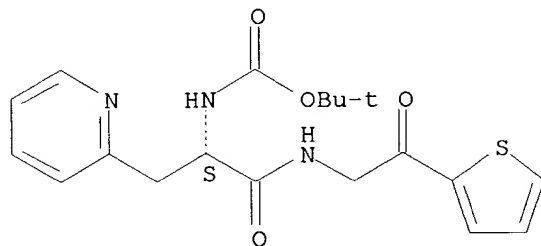
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9957114	A1	19991111	WO 1999-JP2231	19990426
	W: JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	EP 1075475	A1	20010214	EP 1999-917174	19990426
	R: CH, DE, ES, FR, GB, IT, LI				
	JP 2002511889	T2	20020416	JP 1999-553958	19990426
	US 2002132809	A1	20020919	US 2002-80663	20020225
PRAI	AU 1998-3324	A	19980504		
	AU 1998-4014	A	19980610		
	WO 1999-JP2231	W	19990426		
	US 2000-673660	A1	20001220		
OS	MARPAT 131:337023				
IT	<b>70996-65-5P 249639-85-8P</b>				
	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)				
	(intermediate; prepn. of heterocyclic carboxamide derivs. as inhibitors of nitric oxide prodn for treatment of NO-mediated diseases, particularly for use as immunosuppressant agents in transplantation)				
RN	70996-65-5 CAPLUS				
CN	Ethanone, 2-amino-1-(2-thienyl)-, hydrochloride (9CI) (CA INDEX NAME)				



● HCl

RN 249639-85-8 CAPLUS  
CN Carbamic acid, [(1S)-2-oxo-2-[[2-oxo-2-(2-thienyl)ethyl]amino]-1-(2-pyridinylmethyl)ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

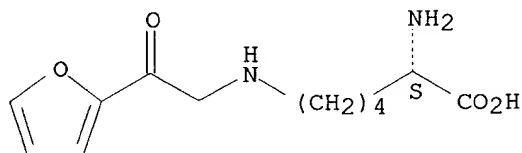
L5 ANSWER 90 OF 409 CAPLUS COPYRIGHT 2003 ACS

09/817,374

V. Balasubramanian

AN 1999:668836 CAPLUS  
DN 132:179718  
TI Effects of drying processing on the Maillard reaction in pasta  
AU Anese, Monica; Nicoli, M. Cristina; Massini, Roberto; Lerici, Carlo R.  
CS Istituto di Produzioni e Preparazioni Alimentari, University of Bari,  
Foggia, 71100, Italy  
SO Food Research International (1999), 32(3), 193-199  
CODEN: FORIEU; ISSN: 0963-9969  
PB Elsevier Science Ltd.  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: FMU (Formation, unclassified); FORM (Formation, nonpreparative)  
(effects of drying processing on the Maillard reaction in pasta)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 91 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1999:653384 CAPLUS  
DN 131:257880  
TI Preparation and use of amino acid derivatives as anti-viral agents  
IN Attwood, Michael Richard; Hurst, David Nigel; Jones, Philip Stephen; Kay,  
Paul Brittain; Raynham, Tony Michael; Wilson, Francis Xavier  
PA F. Hoffmann-La Roche A.-G., Switz.  
SO Ger. Offen., 30 pp.  
CODEN: GWXXBX  
DT Patent  
LA German  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19914474	A1	19991007	DE 1999-19914474	19990330
	US 6372883	B1	20020416	US 1999-265617	19990310
	FR 2777891	A1	19991029	FR 1999-3872	19990329
	FR 2777891	B1	20030131		
	GB 2337262	A1	19991117	GB 1999-7263	19990329
	JP 11322789	A2	19991124	JP 1999-85092	19990329
	ES 2160046	A1	20011016	ES 1999-627	19990329
	ES 2160046	B1	20020516		
	IT 1311994	B1	20020322	IT 1999-MI657	19990330
PRAI	GB 1998-6815	A	19980330		
OS	MARPAT 131:257880				
IT	<b>244302-90-7P</b>				
	RL: SPN (Synthetic preparation); PREP (Preparation) (reaction of in the synthesis of amino acid derivs. for use as anti-hepatitis agents)				

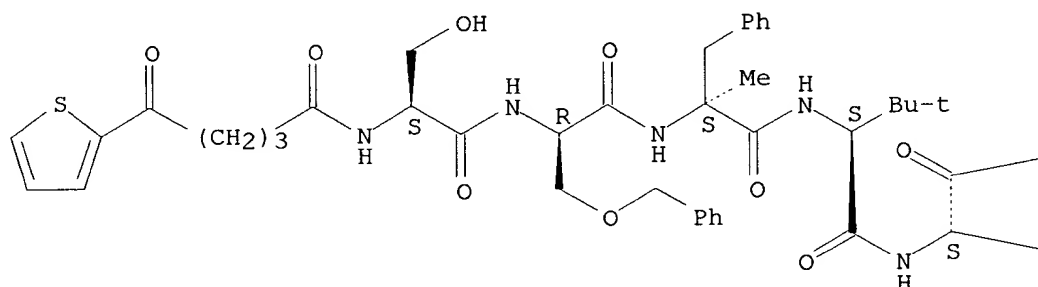
V. Balasubramanian

RN 244302-90-7 CAPLUS

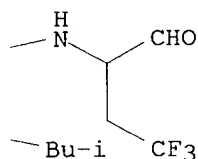
CN L-Leucinamide, N-[1,5-dioxo-5-(2-thienyl)pentyl]-L-seryl-O-(phenylmethyl)-  
D-seryl-.alpha.-methyl-L-phenylalanyl-3-methyl-L-valyl-N-(3,3,3-trifluoro-  
1-formylpropyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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PAGE 1-B



L5 ANSWER 92 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1999:589093 CAPLUS

DN 131:321702

TI Synthesis and characterization of .gamma.-N-(2-Furoylmethyl)aminobutyric acid

AU Dolores del Castillo, M.; Corzo, Nieves; Gonzalez, Leandro; Olano, Agustin

CS Instituto de Fermentaciones Industriales (CSIC), Madrid, 28006, Spain

SO Journal of Agricultural and Food Chemistry (1999), 47(10), 4137-4139

CODEN: JAFCAU; ISSN: 0021-8561

PB American Chemical Society

DT Journal

LA English

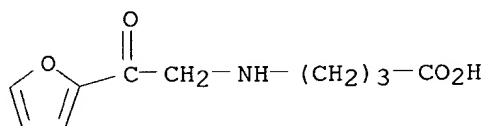
IT 248583-21-3P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(synthesis and characterization of .gamma.-N-(2-Furoylmethyl)aminobutyric acid)

RN 248583-21-3 CAPLUS

CN Butanoic acid, 4-[[2-(2-furanyl)-2-oxoethyl]amino]- (9CI) (CA INDEX NAME)

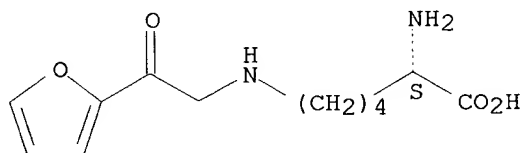
V. Balasubramanian



RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 93 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1999:575858 CAPLUS  
DN 131:242180  
TI Improvement of microwave hydrolysis for fast analysis of furosine in milk and dairy products  
AU Marconi, E.; Mastrocola, L.; Panfili, G.  
CS Dipartimento di Scienze e Tecnologie Agro-alimentari Ambientali e Microbiologiche, Universita degli Studi del Molise, Campobasso, 86100, Italy  
SO Scienza e Tecnica Lattiero-Casearia (1999), 50(2), 127-137  
CODEN: SLCAAF; ISSN: 0390-6361  
PB Associazione Italiana Tecnici del Latte  
DT Journal  
LA Italian  
IT 19746-33-9, Furosine  
RL: ANT (Analyte); ANST (Analytical study)  
(furosine detn. by HPLC in milk and dairy products and improved fast microwave hydrolysis sample prepn.)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 94 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1999:518285 CAPLUS  
DN 131:144789  
TI Preparation of steroidal glycosides as hypocholesterolemic and antiatherosclerosis agents  
IN Deninno, Michael Paul  
PA Pfizer Inc., USA  
SO U.S., 34 pp., Cont. of U.S. Ser. No. 652,478.  
CODEN: USXXAM  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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V. Balasubramanian

PI US 5939398 A 19990817 US 1998-9037 19980120  
PRAI US 1996-652478 19960618  
OS MARPAT 131:144789  
IT **171660-73-4P**

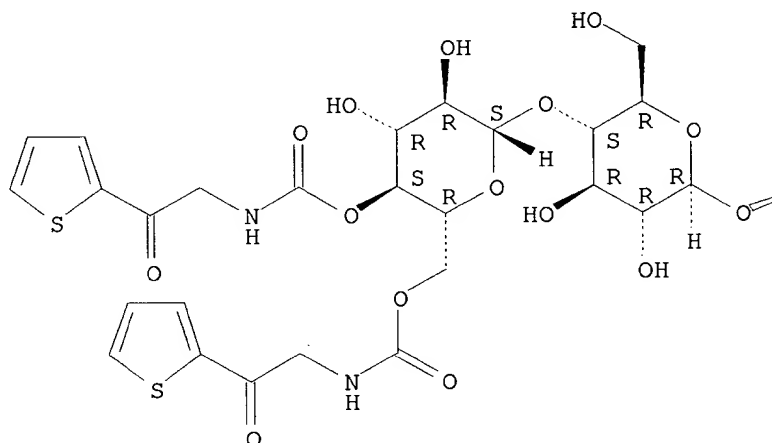
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of steroidal glycosides as hypocholesterolemic and antiatherosclerotic agents)

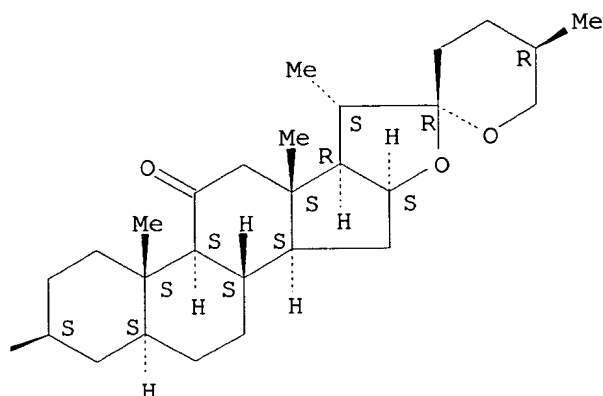
RN 171660-73-4 CAPLUS

CN Spirostan-11-one, 3-[[4-O-[4,6-bis-O-[[[2-oxo-2-(2-thienyl)ethyl]amino]carbonyl]-.beta.-D-glucopyranosyl]-.beta.-D-glucopyranosyl]oxy]-, (3.beta.,5.alpha.,25R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

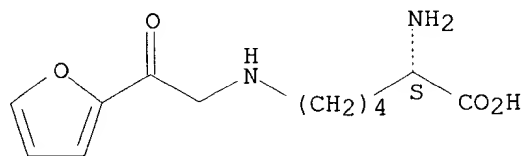




RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 95 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1999:425068 CAPLUS  
DN 131:225616  
TI Analytical strategy for the assessment of the protein glycation status in  
uremic patients by high-performance liquid chromatography  
AU Floridi, Ardesio; Trizza, Vincenzo; Paolotti, Paola; Lucarelli, Claudio  
CS Via del Giochetto, Lab. Biochimica Clinica, Dipartimento di Biologia  
Cellulare e Molecolare, Universita di Perugia, Perugia, 06126, Italy  
SO Journal of Chromatography, A (1999), 846(1 + 2), 65-71  
CODEN: JCRAEY; ISSN: 0021-9673  
PB Elsevier Science B.V.  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL  
(Biological study); USES (Uses)  
(anal. strategy for assessment of protein glycation status in uremic  
patients by high-performance liq. chromatog.)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

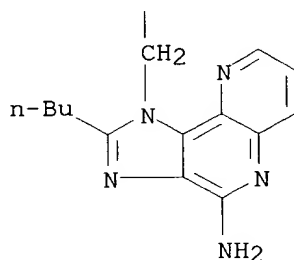
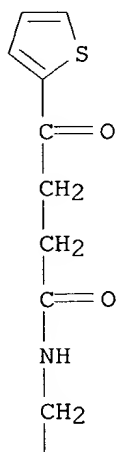
L5 ANSWER 96 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1999:388186 CAPLUS  
DN 131:44819  
TI Imidazonaphthyridines and their use in inducing cytokine biosynthesis



V. Balasubramanian

IN Lingstrom, Kyle J.; Gerster, John F.  
PA Minnesota Mining and Manufacturing Company, USA  
SO PCT Int. Appl., 172 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9929693	A1	19990617	WO 1998-US26473	19981211
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		
	CA 2311456	AA	19990617	CA 1998-2311456	19981211
	AU 9919123	A1	19990628	AU 1999-19123	19981211
	AU 753864	B2	20021031		
	BR 9814275	A	20001003	BR 1998-14275	19981211
	EP 1040112	A1	20001004	EP 1998-963888	19981211
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI			
	US 6194425	B1	20010227	US 1998-210114	19981211
	EE 200000349	A	20011015	EE 2000-200000349	19981211
	JP 2001525411	T2	20011211	JP 2000-524286	19981211
	NO 2000002663	A	20000811	NO 2000-2663	20000524
	US 6514985	B1	20030204	US 2000-706990	20001106
	US 2002173653	A1	20021121	US 2001-945196	20010831
	US 6518280	B2	20030211		
	US 2002173654	A1	20021121	US 2001-945197	20010831
PRAI	US 1997-69276P	P	19971211		
	US 1998-210114	A3	19981211		
	WO 1998-US26473	W	19981211		
	US 2000-706990	A1	20001106		
OS	MARPAT 131:44819				
IT	227320-99-2P				
	RL: IMF (Industrial manufacture); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(imidazonaphthyridines and tetrahydroimidazonaphthyridines for use in inducing cytokine biosynthesis)				
RN	227320-99-2	CAPLUS			
CN	2-Thiophenebutanamide, N-[2-(4-amino-2-butyl-1H-imidazo[4,5-c][1,5]naphthyridin-1-yl)ethyl]-.gamma.-oxo- (9CI) (CA INDEX NAME)				



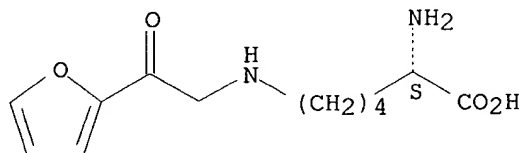
RE.CNT 9      THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5    ANSWER 97 OF 409    CAPLUS    COPYRIGHT 2003 ACS  
AN    1999:384692    CAPLUS  
DN    131:31256  
TI    Use of different thermal indices to assess the quality of pasteurized  
      milks  
AU    Villamiel, M.; Arias, M.; Corzo, N.; Olano, A.  
CS    Instituto Fermentaciones Industriales, Madrid, E-28006, Spain  
SO    Zeitschrift fuer Lebensmittel-Untersuchung und -Forschung A: Food Research  
      and Technology (1999), 208(3), 169-171  
      CODEN: ZLFAFA; ISSN: 1431-4630  
PB    Springer-Verlag  
DT    Journal  
LA    English

V. Balasubramanian

IT 19746-33-9, Furosine  
RL: BOC (Biological occurrence); BSU (Biological study, unclassified);  
BIOL (Biological study); OCCU (Occurrence)  
(thermal indexes to assess the quality of pasteurized milks)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

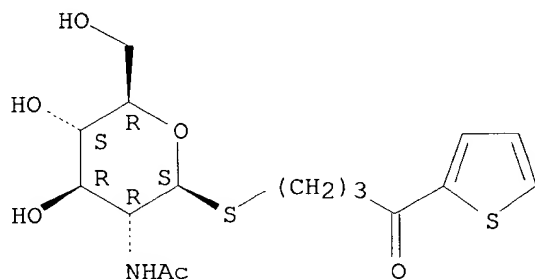
Absolute stereochemistry.



RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 98 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1999:354505 CAPLUS  
DN 131:59065  
TI Synthesis of a library of .beta.-GlcNAc glycosides to screen for efficient  
in vivo glycosyltransferase acceptors  
AU Ding, Yili; Miura, Yoshiaki; Etchison, James R.; Freeze, Hudson H.;  
Hindsgaul, Ole  
CS The Burnham Institute, La Jolla, CA, 92037, USA  
SO Journal of Carbohydrate Chemistry (1999), 18(4), 471-475  
CODEN: JCACDM; ISSN: 0732-8303  
PB Marcel Dekker, Inc.  
DT Journal  
LA English  
IT 227936-91-6P  
RL: BPR (Biological process); BSU (Biological study, unclassified); SPN  
(Synthetic preparation); BIOL (Biological study); PREP (Preparation); PROC  
(Process)  
(prepn. of a library of .beta.-GlcNAc glycosides to screen for  
efficient in vivo glycosyltransferase acceptors)  
RN 227936-91-6 CAPLUS  
CN 1-Butanone, 4-[[2-(acetylamino)-2-deoxy-.beta.-D-glucopyranosyl]thio]-1-(2-  
thienyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

V. Balasubramanian

L5 ANSWER 99 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1999:350650 CAPLUS

DN 131:18925

TI Preparation of cyclic amine derivatives for inhibition of the action of chemokines such as MIP-1.alpha. and/or MCP-1 on target cells

IN Shiota, Tatsuki; Kataoka, Kenichiro; Imai, Minoru; Tsutsumi, Takaharu; Sudoh, Masaki; Sogawa, Ryo; Morita, Takuya; Hada, Takahiko; Muroga, Yumiko; Takenouchi, Osami; Furuya, Monoru; Endo, Noriaki; Tarby, Christine M.; Moree, Wil A.; Teig, Steven L.

PA Teijin Ltd., Japan; Combichem, Inc.

SO PCT Int. Appl., 374 pp.

CODEN: PIXXD2

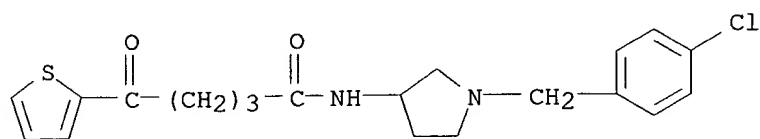
DT Patent

LA English

FAN.CNT 2

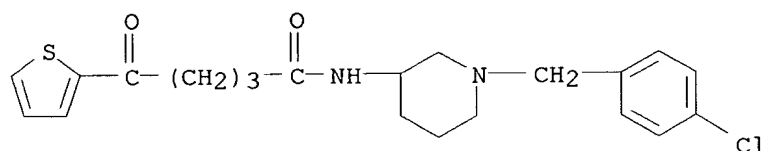
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9925686	A1	19990527	WO 1998-US23254	19981117
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, US, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	CA 2309328	AA	19990527	CA 1998-2309328	19981117
	AU 9913741	A1	19990607	AU 1999-13741	19981117
	AU 744685	B2	20020228		
	EP 1030840	A1	20000830	EP 1998-957495	19981117
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	BR 9814645	A	20010731	BR 1998-14645	19981117
	EE 200000294	A	20010815	EE 2000-200000294	19981117
	JP 2001523661	T2	20011127	JP 2000-521070	19981117
	NO 2000002486	A	20000718	NO 2000-2486	20000512
	US 6451842	B1	20020917	US 2000-554562	20000516
PRAI	US 1997-972484	A	19971118		
	US 1998-55285	A	19980406		
	US 1998-133434	A	19980813		
	WO 1998-US23254	W	19981117		
OS	MARPAT 131:18925				
IT	<b>226228-19-9P 226229-66-9P</b>				
	RL:	BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)			
		(prepn. of cyclic amine derivs. for inhibition of the action of chemokines such as MIP-1.alpha. and/or MCP-1 on target cells)			
RN	226228-19-9	CAPLUS			
CN	2-Thiophenepentanamide, N-[1-[(4-chlorophenyl)methyl]-3-pyrrolidinyl]-.delta.-oxo- (9CI)	(CA INDEX NAME)			

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RN 226229-66-9 CAPLUS

CN 2-Thiophenepentanamide, N-[1-[(4-chlorophenyl)methyl]-3-piperidinyl]-  
.delta.-oxo- (9CI) (CA INDEX NAME)



RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 100 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1999:335480 CAPLUS

DN 131:115576

TI Deterioration of protein fraction by Maillard reaction in dietetic milks

AU Evangelisti, Filippo; Calcagno, Claudio; Nardi, Simonetta; Zunin, Paola

CS Dipartimento di Chimica e Tecnologie Farmaceutiche e Alimentari,  
Universita di Genova, Genoa, I-16147, Italy

SO Journal of Dairy Research (1999), 66(2), 237-243

CODEN: JDRSAN; ISSN: 0022-0299

PB Cambridge University Press

DT Journal

LA English

IT 19746-33-9, Furosine

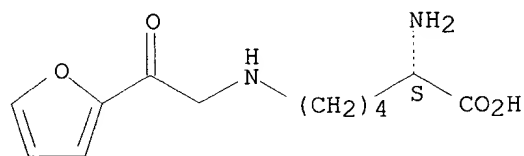
RL: BOC (Biological occurrence); BPR (Biological process); BSU (Biological  
study, unclassified); BIOL (Biological study); OCCU (Occurrence); PROC  
(Process)

(deterioration of protein fraction by Maillard reaction in dietetic  
milks)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

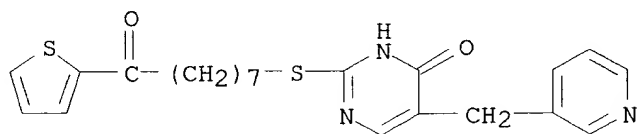
L5 ANSWER 101 OF 409 CAPLUS COPYRIGHT 2003 ACS

09/817,374

V. Balasubramanian

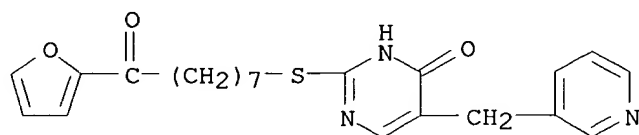
AN 1999:325924 CAPLUS  
DN 130:352278  
TI Preparation of pyrimidinone derivatives as Lp-PLA2 inhibitors  
IN Hickey, Deirdre Mary Bernadette; Ife, Robert John; Leach, Colin Andrew;  
Pinto, Ivan Leo; Porter, Roderick Alan; Smith, Stephen Allan  
PA Smithkline Beecham PLC, UK  
SO PCT Int. Appl., 210 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9924420	A1	19990520	WO 1998-EP6988	19981023
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	CA 2309177	AA	19990520	CA 1998-2309177	19981023
	AU 9911575	A1	19990531	AU 1999-11575	19981023
	EP 1028955	A1	20000823	EP 1998-954482	19981023
	R:	BE, CH, DE, ES, FR, GB, IT, LI, NL, SI			
	JP 2001522844	T2	20011120	JP 2000-520434	19981023
	ZA 9810112	A	20000505	ZA 1998-10112	19981105
	US 6417192	B1	20020709	US 2000-530713	20000628
	US 2002120139	A1	20020829	US 2002-115452	20020402
PRAI	GB 1997-23352	A	19971106		
	GB 1997-23358	A	19971106		
	WO 1998-EP6988	W	19981023		
	US 2000-530713	A3	20000628		
OS	MARPAT 130:352278				
IT	<b>224771-03-3P 224771-04-4P</b>				
	RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of pyrimidinone derivs. as Lp-PLA2 inhibitors)				
RN	224771-03-3 CAPLUS				
CN	4(1H)-Pyrimidinone, 2-[[8-oxo-8-(2-thienyl)octyl]thio]-5-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)				



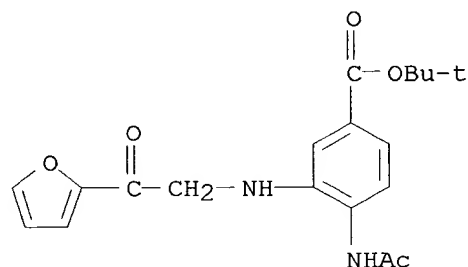
RN 224771-04-4 CAPLUS  
CN 4(1H)-Pyrimidinone, 2-[[8-(2-furanyl)-8-oxooctyl]thio]-5-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)

V. Balasubramanian

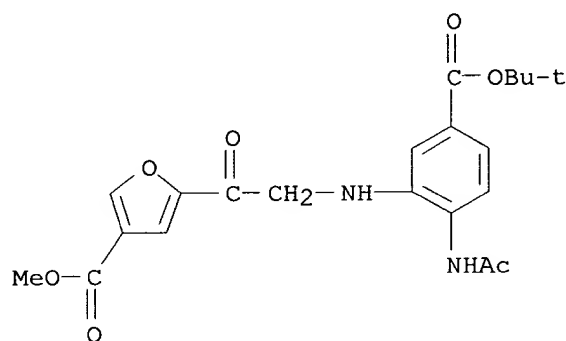


RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 102 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1999:314006 CAPLUS  
DN 131:129944  
TI 4-Acetylamino-3-(imidazol-1-yl)-benzoic acids as novel inhibitors of  
influenza sialidase  
AU Howes, Peter D.; Cleasby, Anne; Evans, Derek N.; Feilden, Helen; Smith,  
Paul W.; Sollis, Steven L.; Taylor, Neil; Wonacott, Alan J.  
CS Department of Enzyme Medicinal Chemistry II, Glaxo Wellcome Medicines  
Research Centre, Stevenage, SG1 2NY, UK  
SO European Journal of Medicinal Chemistry (1999), 34(3), 225-234  
CODEN: EJMCA5; ISSN: 0223-5234  
PB Editions Scientifiques et Medicales Elsevier  
DT Journal  
LA English  
IT **233671-40-4P 233671-41-5P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(prepn. and influenza sialidase inhibitory activity of  
(acetylamino)imidazolylbenzoic acids)  
RN 233671-40-4 CAPLUS  
CN Benzoic acid, 4-(acetylamino)-3-[[2-(2-furanyl)-2-oxoethyl]amino]-,  
1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



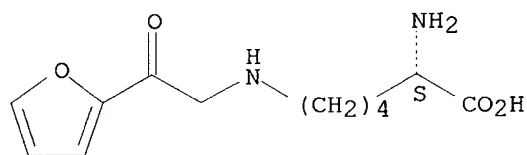
RN 233671-41-5 CAPLUS  
CN 3-Furancarboxylic acid, 5-[[[2-(acetylamino)-5-[(1,1-  
dimethylethoxy)carbonyl]phenyl]amino]acetyl]-, methyl ester (9CI) (CA  
INDEX NAME)



RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 103 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1999:290255 CAPLUS  
DN 131:87025  
TI Characterization of the Heat Treatment Undergone by Milk Using Two  
Inhibition ELISAs for Quantification of Native and Heat Denatured  
.alpha.-Lactalbumin  
AU Jeanson, Sophie; Dupont, Didier; Grattard, Nicolas; Rolet-Repecaud, Odile  
CS INRA-Station de Recherches en Technologie et Analyses Laitieres, Poligny,  
F-39801, Fr.  
SO Journal of Agricultural and Food Chemistry (1999), 47(6), 2249-2254  
CODEN: JAFCAU; ISSN: 0021-8561  
PB American Chemical Society  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL  
(Biological study); PROC (Process)  
(of milk response to heat treatments)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

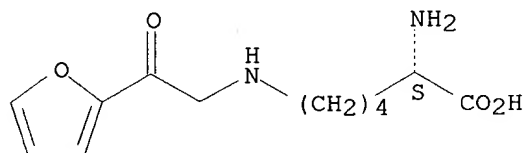
L5 ANSWER 104 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1999:282330 CAPLUS  
DN 131:72881  
TI Determination of furosine in relation to authenticity of fresh Campania  
cheese  
AU Arnese, A.; Montuori, P.; Iacuzio, L.; Cirillo, T.  
CS Istituto di Igiene e Medicina Preventiva - Facolta di Medicina e



V. Balasubramanian

Chirurgia, Universita degli Studi di Napoli, Naples, 80131, Italy  
SO Rivista di Scienza dell'Alimentazione (1998), 27(4), 245-249  
CODEN: RSAIE3; ISSN: 1126-9480  
PB Societa Editrice Alimenti, Alimentazione e Nutrizione s.r.l.  
DT Journal  
LA Italian  
IT **19746-33-9**, Furosine  
RL: BOC (Biological occurrence); BSU (Biological study, unclassified);  
BIOL (Biological study); OCCU (Occurrence)  
(of fresh Campania cheese in relation to authenticity)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

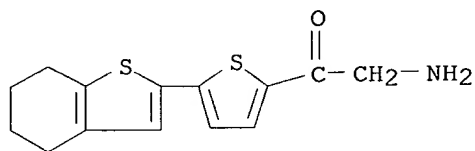
Absolute stereochemistry.



RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 105 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1999:237504 CAPLUS  
DN 130:344749  
TI Synthesis and characterization of mixed oligoheterocycles based on  
end-capped oligothiophenes suited for LED applications  
AU Bauerle, P.; Mitschke, U.; Mena-Osteritz, E.; Sokolowski, M.; Muller, D.;  
Gross, M.; Meerholz, K.  
CS Abteilung Organische Chemie II, University Ulm, Ulm, 89081, Germany  
SO Proceedings of SPIE-The International Society for Optical Engineering  
(1998), 3476(Organic Light-Emitting Materials and Devices II), 32-39  
CODEN: PSISDG; ISSN: 0277-786X  
PB SPIE-The International Society for Optical Engineering  
DT Journal  
LA English  
IT **218606-62-3**  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(synthesis and characterization of mixed oligoheterocycles based on  
end-capped oligothiophenes suited for LED applications)  
RN 218606-62-3 CAPLUS  
CN Ethanone, 2-amino-1-[5-(4,5,6,7-tetrahydrobenzo[b]thien-2-yl)-2-thienyl]-,  
hydrochloride (9CI) (CA INDEX NAME)

V. Balasubramanian



● HCl

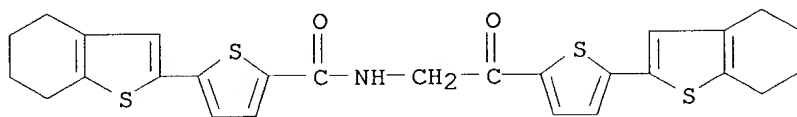
IT 218606-67-8P 224453-03-6P 224453-04-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(synthesis and characterization of mixed oligoheterocycles based on end-capped oligothiophenes suited for LED applications)

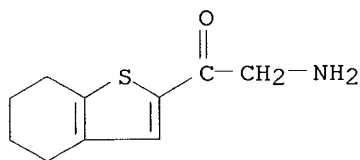
RN 218606-67-8 CAPLUS

CN 2-Thiophenecarboxamide, N-[2-oxo-2-[5-(4,5,6,7-tetrahydrobenzo[b]thien-2-yl)-2-thienyl]ethyl]-5-(4,5,6,7-tetrahydrobenzo[b]thien-2-yl)- (9CI) (CA INDEX NAME)



RN 224453-03-6 CAPLUS

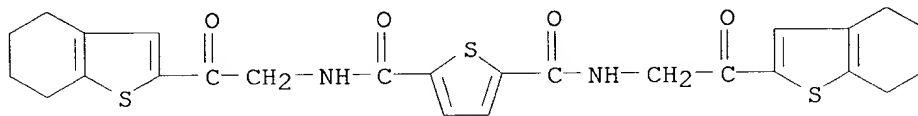
CN Ethanone, 2-amino-1-(4,5,6,7-tetrahydrobenzo[b]thien-2-yl)-, conjugate monoacid (9CI) (CA INDEX NAME)



● H<sup>+</sup>

RN 224453-04-7 CAPLUS

CN 2,5-Thiophenedicarboxamide, N,N'-bis[2-oxo-2-(4,5,6,7-tetrahydrobenzo[b]thien-2-yl)ethyl]- (9CI) (CA INDEX NAME)

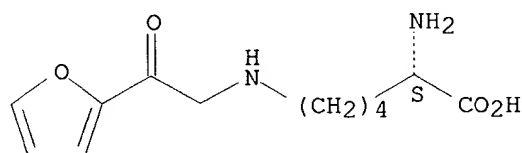


V. Balasubramanian

RE.CNT 23      THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5    ANSWER 106 OF 409    CAPLUS    COPYRIGHT 2003 ACS  
AN    1999:232747    CAPLUS  
DN    131:30591  
TI    Plasma protein glycation in Alzheimer's disease  
AU    Riviere, S.; Birlouez-Aragon, I.; Vellas, B.  
CS    Hopital La Grave-Casselardit, Toulouse, 31300, Fr.  
SO    Glycoconjugate Journal (1998), 15(10), 1039-1042  
      CODEN: GLJOEW; ISSN: 0282-0080  
PB    Kluwer Academic Publishers  
DT    Journal  
LA    English  
IT    **19746-33-9**, Furosine  
      RL: BOC (Biological occurrence); BSU (Biological study, unclassified);  
      BIOL (Biological study); OCCU (Occurrence)  
      (plasma protein glycation in human Alzheimer's disease in relation to  
      fasting plasma glucose and)  
RN    19746-33-9    CAPLUS  
CN    L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI)    (CA INDEX NAME)

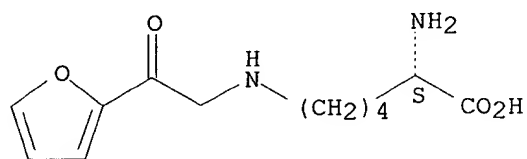
Absolute stereochemistry.



RE.CNT 22      THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5    ANSWER 107 OF 409    CAPLUS    COPYRIGHT 2003 ACS  
AN    1999:215501    CAPLUS  
DN    131:43745  
TI    A rapid fluorimetric method to estimate the heat treatment of liquid milk  
AU    Birlouez-Aragon, Ines; Nicolas, Marina; Metais, Arnaud; Marchond,  
      Nathalie; Grenier, J.; Calvo, D.  
CS    Institut National Agronomique Paris-Grignon, Laboratoire de Chimie  
      Analytique, Paris, 75231, Fr.  
SO    International Dairy Journal (1999), Volume Date 1998, 8(9), 771-777  
      CODEN: IDAJE6; ISSN: 0958-6946  
PB    Elsevier Science Ltd.  
DT    Journal  
LA    English  
IT    **19746-33-9**, Furosine  
      RL: ANT (Analyte); FMU (Formation, unclassified); ANST (Analytical study);  
      FORM (Formation, nonpreparative)  
      (a rapid fluorimetric method to est. heat treatment of liq. milk)  
RN    19746-33-9    CAPLUS  
CN    L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI)    (CA INDEX NAME)

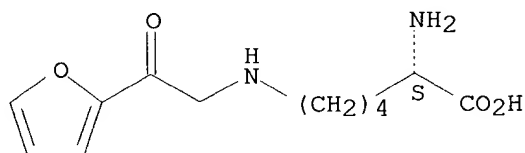
Absolute stereochemistry.



RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 108 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1999:214969 CAPLUS  
DN 131:17367  
TI Skin collagen glycation, glycooxidation, and crosslinking are lower in subjects with long-term intensive versus conventional therapy of type 1 diabetes: relevance of glycated collagen products versus HbA1c as markers of diabetic complications  
AU Monnier, Vincent M.; Bautista, Oliver; Kenny, David; Sell, David R.; Fogarty, John; Dahms, William; Cleary, Patricia A.; Lachin, John; Genuth, Saul  
CS DCCT Skin Collagen Ancillary Study Group, Institute of Pathology, Case Western Reserve University School of Medicine, Cleveland, OH, 44106, USA  
SO Diabetes (1999), 48(4), 870-880  
CODEN: DIAEAZ; ISSN: 0012-1797  
PB American Diabetes Association  
DT Journal  
LA English  
IT 19746-33-9, Furosine  
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence)  
(HbA1c and glycated collagen markers for diabetic complications in human in relation to long-term intensive vs. conventional therapy of type 1 diabetes)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



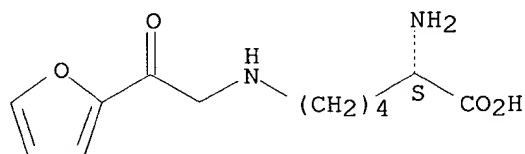
RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 109 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1999:196798 CAPLUS  
DN 131:87110  
TI Maillard reaction evaluation by furosine determination during infant cereal processing  
AU Guerra-Hernandez, E.; Corzo, N.; Garcia-Villanova, B.  
CS Departamento de Nutricion y Bromatologia, Universidad de Granada, Granada, 18012, Spain

V. Balasubramanian

SO Journal of Cereal Science (1999), 29(2), 171-176  
CODEN: JCSCDA; ISSN: 0733-5210  
PB Academic Press  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: BOC (Biological occurrence); BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); OCCU (Occurrence); PROC (Process)  
(Maillard reaction evaluation by furosine detn. during infant cereal processing)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

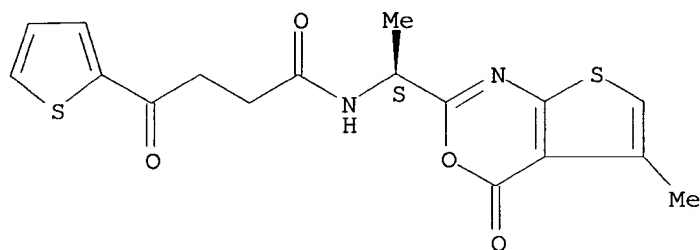


RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 110 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1999:170595 CAPLUS  
DN 130:320415  
TI Inhibition of human cytomegalovirus protease by enedione derivatives of thieno[2,3-d]oxazinones through a novel dual acylation/alkylation mechanism  
AU Pinto, Ivan L.; Jarvest, Richard L.; Clarke, Brian; Dabrowski, Christine E.; Fenwick, Ashley; Gorczyca, Michele M.; Jennings, L. John; Lavery, Patrick; Sternberg, Edmund J.; Tew, David G.; West, Andrew  
CS SmithKline Beecham Pharmaceuticals, New Frontiers Science Park, Essex, CM19 5AW, UK  
SO Bioorganic & Medicinal Chemistry Letters (1999), 9(3), 449-452  
CODEN: BMCLE8; ISSN: 0960-894X  
PB Elsevier Science Ltd.  
DT Journal  
LA English  
IT **223921-87-7P**  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(inhibition of human cytomegalovirus protease by enedione derivs. of thieno[2,3-d]oxazinones through a novel dual acylation/alkylation mechanism)  
RN 223921-87-7 CAPLUS  
CN 2-Thiophenebutanamide, N-[(1S)-1-(5-methyl-4-oxo-4H-thieno[2,3-d][1,3]oxazin-2-yl)ethyl]-.gamma.-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

V. Balasubramanian

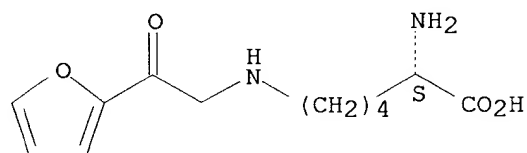


RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 111 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1999:58505 CAPLUS  
DN 130:179638  
TI Glycosylation and oxidation products of iron binding protein.  
IN Hosokawa, Tomoyoshi  
PA Japan  
SO Jpn. Kokai Tokkyo Koho, 5 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	JP 11014625	A2	19990122	JP 1997-199090	19970620
PRAI	JP 1997-199090		19970620		
IT	<b>19746-33-9P</b> , Furosine RL: ANT (Analyte); SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation) (glycosylation and oxidn. products of iron binding protein)				
RN	19746-33-9	CAPLUS			
CN	L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)				

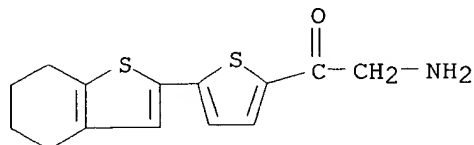
Absolute stereochemistry.



L5 ANSWER 112 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1998:750249 CAPLUS  
DN 130:81362  
TI Synthesis and characterization of mixed oligoheterocycles based on  
end-capped oligothiophenes  
AU Mitschke, Ullrich; Osteritz, Elena Mena; Debaerdemaeker, Tony; Sokolowski,  
Moritz; Bauerle, Peter  
CS Abteilung Organische Chemie II, Universitaet Ulm, Ulm, D-8908, Germany  
SO Chemistry--A European Journal (1998), 4(11), 2211-2224  
CODEN: CEUJED; ISSN: 0947-6539  
PB Wiley-VCH Verlag GmbH

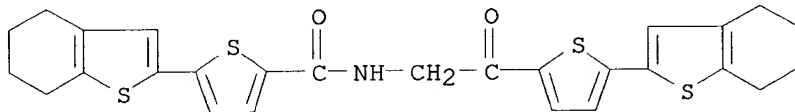
V. Balasubramanian

DT Journal  
LA English  
IT **218606-62-3P 218606-67-8P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(prepn. and electronic properties of mixed oligoheterocycles based on  
end-capped oligothiophenes)  
RN 218606-62-3 CAPLUS  
CN Ethanone, 2-amino-1-[5-(4,5,6,7-tetrahydrobenzo[b]thien-2-yl)-2-thienyl]-,  
hydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 218606-67-8 CAPLUS  
CN 2-Thiophenecarboxamide, N-[2-oxo-2-[5-(4,5,6,7-tetrahydrobenzo[b]thien-2-yl)-2-thienyl]ethyl]-5-(4,5,6,7-tetrahydrobenzo[b]thien-2-yl)- (9CI) (CA INDEX NAME)

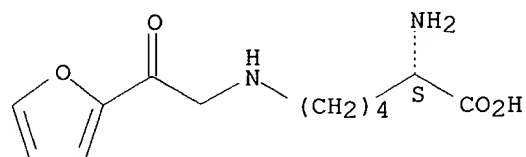


RE.CNT 84 THERE ARE 84 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 113 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1998:711012 CAPLUS  
DN 130:80493  
TI Improved method for the determination of furosine in food by capillary electrophoresis  
AU Tirelli, Antonio  
CS Dipartimento di Scienze e Tecnologie Alimentari e Microbiologiche (DI.S.T.A.M.), Universita degli Studi di Milano, Milan, 2, 20133, Italy  
SO Journal of Food Protection (1998), 61(10), 1400-1404  
CODEN: JFPRDR; ISSN: 0362-028X  
PB International Association of Milk, Food and Environmental Sanitarians  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: ANT (Analyte); ANST (Analytical study)  
(improved method for detn. of furosine in food by capillary electrophoresis)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

V. Balasubramanian

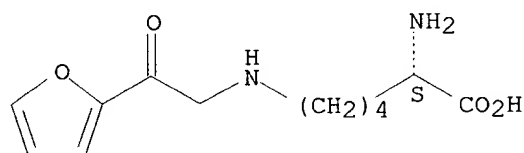
Absolute stereochemistry.



RE.CNT 26      THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5    ANSWER 114 OF 409    CAPLUS    COPYRIGHT 2003 ACS  
AN    1998:591686    CAPLUS  
DN    129:315318  
TI    Heat damage evaluation during tomato products processing  
AU    Hidalgo, Alyssa; Pompei, Carlo; Zambuto, Roberta  
CS    Dipartimento di Scienze e Tecnologie Alimentari e Microbiologiche (DISTAM)  
      Sez. Tecnologie Alimentari, Universita degli Studi di Milano, Milan,  
      20133, Italy  
SO    Journal of Agricultural and Food Chemistry (1998), 46(10), 4387-4390  
      CODEN: JAFCAU; ISSN: 0021-8561  
PB    American Chemical Society  
DT    Journal  
LA    English  
IT    19746-33-9, Furosine  
      RL: BOC (Biological occurrence); BSU (Biological study, unclassified);  
      BIOL (Biological study); OCCU (Occurrence)  
      (heat damage evaluation using furosine during tomato products  
      processing)  
RN    19746-33-9    CAPLUS  
CN    L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI)    (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 19      THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

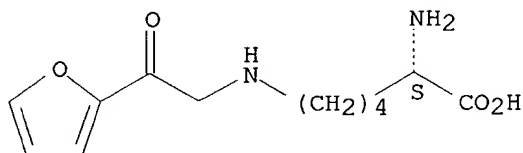
L5    ANSWER 115 OF 409    CAPLUS    COPYRIGHT 2003 ACS  
AN    1998:587022    CAPLUS  
DN    129:315207  
TI    Study of Hydroxymethylfurfural Formation from Acid Degradation of the  
      Amadori Product in Milk-Resembling Systems  
AU    Morales, Francisco J.; Jimenez-Perez, Salvio  
CS    Departamento de Productos Lacteos, Instituto del Frio (C.S.I.C.) Ciudad  
      Universitaria, Madrid, 28040, Spain  
SO    Journal of Agricultural and Food Chemistry (1998), 46(10), 3885-3890  
      CODEN: JAFCAU; ISSN: 0021-8561  
PB    American Chemical Society  
DT    Journal



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LA English  
IT **19746-33-9**, Furosine  
RL: FMU (Formation, unclassified); FORM (Formation, nonpreparative)  
(hydroxymethylfurfural formation from acid dehydr. of Amadori product  
in milk-resembling systems)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

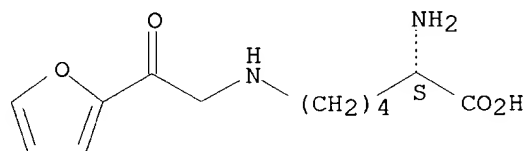
Absolute stereochemistry.



RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 116 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1998:583028 CAPLUS  
DN 129:215850  
TI HPLC determination of furosine in parboiled rice  
AU Nardi, S.; Calcagno, C.; Zunin, P.; Evangelisti, F.  
CS Sezione di Riscicoltura, Istituto Sperimentale per la Cerealicoltura,  
Vercelli, 13100, Italy  
SO Rivista di Scienza dell'Alimentazione (1998), 27(1), 29-34  
CODEN: RSAIE3; ISSN: 1126-9480  
PB Societa Editrice Alimenti, Alimentazione e Nutrizione s.r.l.  
DT Journal  
LA Italian  
IT **19746-33-9**, Furosine  
RL: ANT (Analyte); BPR (Biological process); BSU (Biological study,  
unclassified); ANST (Analytical study); BIOL (Biological study); PROC  
(Process)  
(furosine detn. in parboiled rice by reversed-phase ion-paired HPLC)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

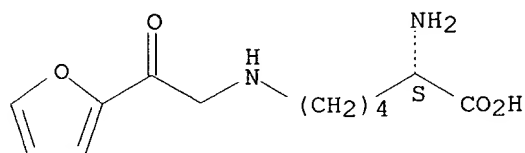


L5 ANSWER 117 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1998:561723 CAPLUS  
DN 129:148257  
TI .beta.-Lactoglobulin denaturation and furosine formation during continuous  
microwave treatment of milk at temperatures of 90-120.degree.  
AU Villamiel, Mar; Munoz, M. Mar; Hernandez, Amelia; Corzo, Nieves  
CS Instituto Fermentaciones Industriales, Madrid, E-28006, Spain  
SO Milchwissenschaft (1998), 53(8), 434-436

V. Balasubramanian

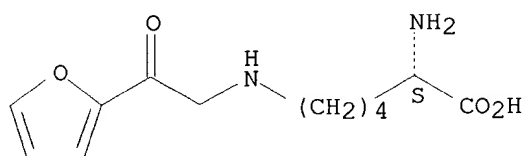
CODEN: MILCAD; ISSN: 0026-3788  
PB VV-GmbH Volkswirtschaftlicher Verlag  
DT Journal  
LA English  
IT **19746-33-9P**, Furosine  
RL: BOC (Biological occurrence); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation)  
(.beta.-lactoglobulin denaturation and furosine formation during continuous microwave treatment of milk)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 118 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1998:554540 CAPLUS  
DN 129:306465  
TI Increased formation of pentosidine and N.epsilon.-(carboxymethyl)lysine in end stage renal disease: role of dialysis clearance  
AU Friedlander, Miriam A.; Wu, Yu Ching; Randle, Christopher P.; Baumgardner, Gavin P.; DeOreo, Peter B.; Monnier, Vincent M.  
CS Department of Medicine, Case Western Reserve University, Cleveland, OH, 44106, USA  
SO Special Publication - Royal Society of Chemistry (1998), 223(Maillard Reaction in Foods and Medicine), 339-344  
CODEN: SROCD0; ISSN: 0260-6291  
PB Royal Society of Chemistry  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL (Biological study); FORM (Formation, nonpreparative)  
(role of dialysis clearance in increased formation of pentosidine and N.epsilon.-(carboxymethyl)lysine in human end stage renal disease)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

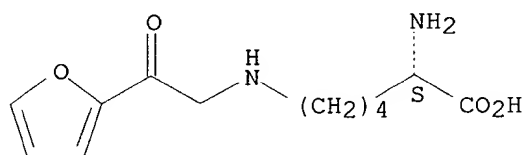


L5 ANSWER 119 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1998:450826 CAPLUS

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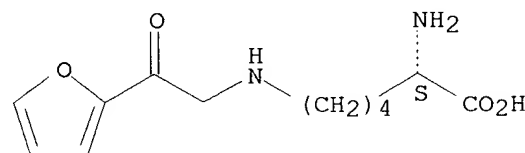
DN 129:135412  
TI Determination of non enzymic-glycosylated proteins in bovine colostrum and mature human milk by measuring the furosine content  
AU Clawin-Raedecker, I.; Schlimme, E.  
CS Inst. Chemie Physik, Bundesanstalt Milchwirtschaft, Kiel, D-24121, Germany  
SO Kieler Milchwirtschaftliche Forschungsberichte (1998), 50(2), 133-146  
CODEN: KMWFAP; ISSN: 0023-1347  
PB Verlag Th. Mann  
DT Journal  
LA German  
IT **19746-33-9, Furosine**  
RL: BOC (Biological occurrence); BSU (Biological study, unclassified);  
BIOL (Biological study); OCCU (Occurrence)  
(non enzymic-glycosylated proteins in bovine colostrum and mature human milk measured by furosine detn.)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 120 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1998:431895 CAPLUS  
DN 129:67030  
TI Furosine as thermal damage marker in Mozzarella cheese from Sicily  
AU Barbagallo, Riccardo N.; Lupo, Massimiliano; Tomaselli, Filippo  
CS Istituto di Industrie Agrarie, Catania, 95123, Italy  
SO Industrie Alimentari (Pinerolo, Italy) (1998), 37(370), 614-617  
CODEN: INALBB; ISSN: 0019-901X  
PB Chiriotti Editori spa  
DT Journal  
LA Italian  
IT **19746-33-9, Furosine**  
RL: ANT (Analyte); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process)  
(furosine detn. in cheese by HPLC as thermal damage marker in Mozzarella cheese)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

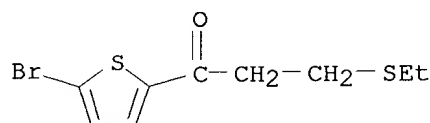


RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD

09/817,374

ALL CITATIONS AVAILABLE IN THE RE FORMAT

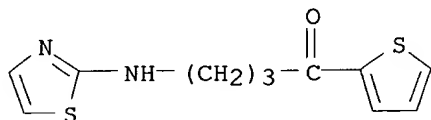
L5 ANSWER 121 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1998:302698 CAPLUS  
 DN 129:40698  
 TI Reaction of .beta.-ethylsulfanylpropionyl tetrafluoroborate with  
 halogen-containing aromatic and heteroaromatic compounds  
 AU Lebedev, Mikhail V.; Nenajdenko, Valentine G.; Balenkova, Elizabeth S.  
 CS Department of Chemistry, Moscow State University, Moscow, 119899, Russia  
 SO Tetrahedron (1998), 54(21), 5599-5606  
 CODEN: TETRAB; ISSN: 0040-4020  
 PB Elsevier Science Ltd.  
 DT Journal  
 LA English  
 OS CASREACT 129:40698  
 IT **203437-99-4P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (acylation of halogen-contg. arom. and heteroarom. compds. with  
 ethylsulfanylpropionyl tetrafluoroborate)  
 RN 203437-99-4 CAPLUS  
 CN 1-Propanone, 1-(5-bromo-2-thienyl)-3-(ethylthio)- (9CI) (CA INDEX NAME)



RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

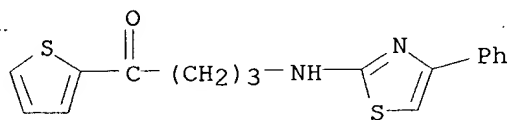
L5 ANSWER 122 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1998:199756 CAPLUS  
 DN 128:321594  
 TI Synthesis of some new 2-(3-aryloxy/aroylpropyl)amino-1,3-thiazole  
 derivatives with anti-inflammatory activity  
 AU Geronikaki, Athina A.; Hadjipavlou-Litina, Dimitra J.  
 CS Dep. Pharmaceutical Chemistry, School Pharmacy, Aristotelian Univ.,  
 Thessaloniki, 54006, Greece  
 SO Arzneimittelforschung (1998), 48(3), 263-265  
 CODEN: ARZNAD; ISSN: 0004-4172  
 PB Editio Cantor Verlag  
 DT Journal  
 LA English  
 OS CASREACT 128:321594  
 IT **206431-14-3P 206431-15-4P**  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
 study, unclassified); SPN (Synthetic preparation); BIOL (Biological  
 study); PREP (Preparation)  
 (prepn. of (aryloxy/aroylpropyl)aminothiazoles with anti-inflammatory  
 activity)  
 RN 206431-14-3 CAPLUS  
 CN 1-Butanone, 4-(2-thiazolylamino)-1-(2-thienyl)-, dihydrochloride (9CI)  
 (CA INDEX NAME)

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● 2 HCl

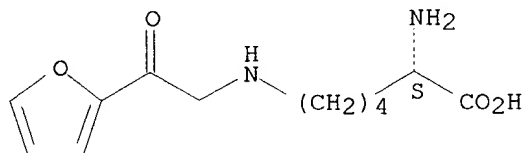
RN 206431-15-4 CAPLUS  
CN 1-Butanone, 4-[(4-phenyl-2-thiazolyl)amino]-1-(2-thienyl)-,  
dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

L5 ANSWER 123 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1998:145662 CAPLUS  
DN 128:216519  
TI Microbore liquid chromatography and capillary electrophoresis in food analysis  
AU Corradini, C.; Nicoletti, I.; Cannarsa, G.; Corradini, D.; Pizzoferrato, L.; Vivanti, V.  
CS Istituto di Cromatografia del C.N.R. - Area della Ricerca di Roma, MONTEROTONDO STAZIONE, I-00016, Italy  
SO Current Status and Future Trends in Analytical Food Chemistry, Proceedings of the European Conference on Food Chemistry, 8th, Vienna, Sept. 18-20, 1995 (1995), Volume 2, 299-302. Editor(s): Sontag, Gerhard; Pfannhauser, Werner. Publisher: Austrian Chemical Society, Vienna, Austria.  
CODEN: 65SOA5  
DT Conference  
LA English  
IT **19746-33-9**, Furosine  
RL: ANT (Analyte); ANST (Analytical study)  
(microbore liq. chromatog. and capillary electrophoresis in food anal.)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

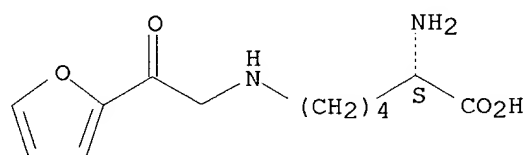
Absolute stereochemistry.



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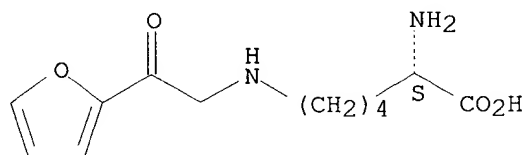
L5 ANSWER 124 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1998:145643 CAPLUS  
DN 128:216509  
TI A rapid microwave hydrolysis method for the furosine determination in cereal based foods  
AU Acquistucci, R.; Marconi, E.; Panfili, G.  
CS Istituto Nazionale della Nutrizione, Rome, 00178, Italy  
SO Current Status and Future Trends in Analytical Food Chemistry, Proceedings of the European Conference on Food Chemistry, 8th, Vienna, Sept. 18-20, 1995 (1995), Volume 2, 211-214. Editor(s): Sontag, Gerhard; Pfannhauser, Werner. Publisher: Austrian Chemical Society, Vienna, Austria.  
CODEN: 65SOA5  
DT Conference  
LA English  
IT **19746-33-9, Furosine**  
RL: ANT (Analyte); ANST (Analytical study)  
(rapid microwave hydrolysis method for the furosine detn. in cereal based foods)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 125 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1998:130313 CAPLUS  
DN 128:229584  
TI Maillard reaction in milk-based foods: nutritional consequences  
AU Pizzoferrato, Laura; Manzi, Pamela; Vivanti, Vittorio; Nicoletti, Isabella; Corradini, Claudio; Cogliandro, Eugenia  
CS Istituto Nazionale della Nutrizione, Rome, 546-00178, Italy  
SO Journal of Food Protection (1998), 61(2), 235-239  
CODEN: JFPRDR; ISSN: 0362-028X  
PB International Association of Milk, Food and Environmental Sanitarians  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: FMU (Formation, unclassified); FORM (Formation, nonpreparative)  
(nutritional consequences of Maillard reaction in milk-based foods)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

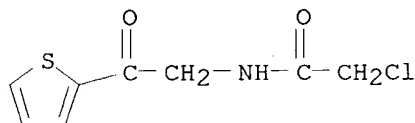
Absolute stereochemistry.



V. Balasubramanian

L5 ANSWER 126 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1998:87730 CAPLUS  
DN 128:154084  
TI Preparation of aralkylazoles as tyrosine kinase inhibitors useful as  
antitumor agents.  
IN Momose, Yu; Matsutani, Etsuya  
PA Takeda Chemical Industries, Ltd., Japan; Momose, Yu; Matsutani, Etsuya  
SO PCT Int. Appl., 151 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

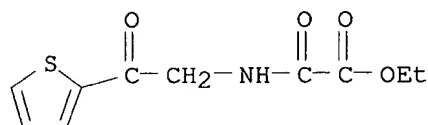
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9803505	A2	19980129	WO 1997-JP2479	19970717
	WO 9803505	A3	19980625		
	W:	AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, IL, IS, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	AU 9734616	A1	19980210	AU 1997-34616	19970717
	EP 912562	A1	19990506	EP 1997-930819	19970717
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
	CN 1223653	A	19990721	CN 1997-195822	19970717
	CN 1077107	B	20020102		
	EP 1270571	A1	20030102	EP 2002-79001	19970717
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
	ZA 9706378	A	19990119	ZA 1997-6378	19970718
	JP 11060571	A2	19990302	JP 1997-193709	19970718
	US 6211215	B1	20010403	US 1998-180955	19981118
	CN 1349990	A	20020522	CN 2001-119519	20010518
PRAI	JP 1996-191100	A	19960719		
	JP 1997-155177	A	19970612		
	EP 1997-930819	A3	19970717		
	WO 1997-JP2479	W	19970717		
OS	MARPAT 128:154084				
IT	<b>70996-66-6P 202595-26-4P</b>				
	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)				
	(prepn. of aralkylazoles as tyrosine kinase inhibitors useful as antitumor agents)				
RN	70996-66-6 CAPLUS				
CN	Acetamide, 2-chloro-N-[2-oxo-2-(2-thienyl)ethyl]- (9CI) (CA INDEX NAME)				



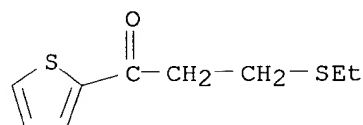
09/817,374

V. Balasubramanian

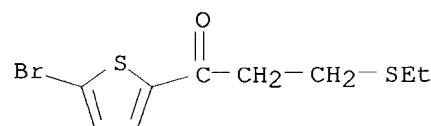
RN 202595-26-4 CAPLUS  
CN Acetic acid, oxo[[2-oxo-2-(2-thienyl)ethyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



L5 ANSWER 127 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1998:76489 CAPLUS  
DN 128:179977  
TI Reactions of .beta.-(ethylsulfanyl)propionyl tetrafluoroborate with electron-rich aromatics. A novel synthesis of aryl vinyl ketones  
AU Lebedev, Mikhail V.; Nenajdenko, Valentine G.; Balenkova, Elizabeth S.  
CS Department Chemistry, Moscow State University, Moscow, 119899, Russia  
SO Synthesis (1998), (1), 89-93  
CODEN: SYNTBF; ISSN: 0039-7881  
PB Georg Thieme Verlag  
DT Journal  
LA English  
OS CASREACT 128:179977  
IT **203437-98-3P 203437-99-4P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. of aryl vinyl ketones from (ethylthio)propionyl fluoroborate and arenes)  
RN 203437-98-3 CAPLUS  
CN 1-Propanone, 3-(ethylthio)-1-(2-thienyl)- (9CI) (CA INDEX NAME)



RN 203437-99-4 CAPLUS  
CN 1-Propanone, 1-(5-bromo-2-thienyl)-3-(ethylthio)- (9CI) (CA INDEX NAME)



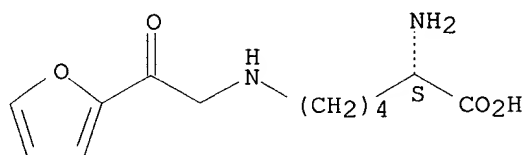
L5 ANSWER 128 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1998:66486 CAPLUS  
DN 128:74459



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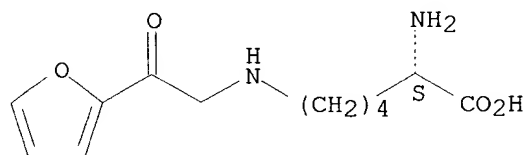
TI Structural Modification and Bioavailability of Starch Components As  
Related to the Extent of Maillard Reaction: An Enzymic Degradation and a  
Solid-State  $^{13}\text{C}$  CPMAS NMR Study  
AU Pizzoferrato, Laura; Paci, Maurizio; Rotilio, Giuseppe  
CS National Institute of Nutrition, Rome, Italy  
SO Journal of Agricultural and Food Chemistry (1998), 46(2), 438-441  
CODEN: JAFCAU; ISSN: 0021-8561  
PB American Chemical Society  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL  
(Biological study); FORM (Formation, nonpreparative)  
(structural modification and bioavailability of starch components as  
related to the extent of Maillard reaction)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 129 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1997:776700 CAPLUS  
DN 128:47515  
TI Ribonucleosides. Chemical parameters for controlling the heat treatment of  
milk  
AU Martin, D.; Kiesner, C.; Schlimme, E.  
CS Inst. Chem. Phys., Bundesanstalt Milchlorschung, Kiel, D-24121, Germany  
SO Nahrung (1997), 41(5), 258-267  
CODEN: NAHRAR; ISSN: 0027-769X  
PB Wiley-VCH Verlag GmbH  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: BOC (Biological occurrence); BPR (Biological process); BSU (Biological  
study, unclassified); BIOL (Biological study); OCCU (Occurrence); PROC  
(Process)  
(ribonucleosides as chem. parameters for controlling the heat treatment  
of milk)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

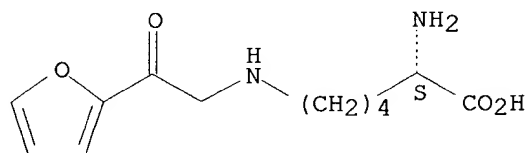
Absolute stereochemistry.



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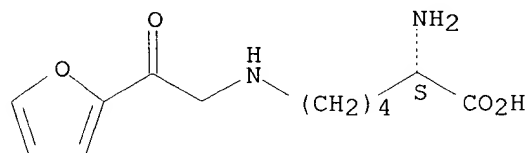
L5 ANSWER 130 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1997:760649 CAPLUS  
DN 127:345461  
TI Detection and determination of furosine by HPLC with a diode array  
detector (HPLC-DAD)  
AU Corradini, Claudio; Cogliandro, Eugenia; Nicoletti, Isabella  
CS C.N.R. - Area Ricerca Roma, Italy  
SO Laboratorio 2000 (1997), 11(6), 124-126  
CODEN: LABOE4; ISSN: 1120-8376  
PB Morgan Edizioni Tecniche  
DT Journal  
LA Italian  
IT **19746-33-9, Furosine**  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. of furosine in concd. milk by reversed phase HPLC)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



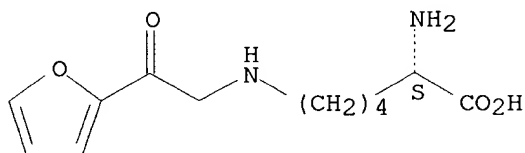
L5 ANSWER 131 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1997:636738 CAPLUS  
DN 127:204671  
TI Influence of Tumbling and Dextrose on Furosine Content in Cooked Ham  
AU Pompei, Carlo; Spagnolello, Alessandro  
CS Dipartimento di Scienze e Tecnologie Alimentari e Microbiologiche Sezione  
di Tecnologie Alimentari, Universita degli Studi di Milano, Milan,  
I-20133, Italy  
SO Journal of Agricultural and Food Chemistry (1997), 45(10), 4080-4083  
CODEN: JAFCAU; ISSN: 0021-8561  
PB American Chemical Society  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); FFD  
(Food or feed use); BIOL (Biological study); OCCU (Occurrence); USES  
(Uses)  
(influence of tumbling and dextrose on furosine content in cooked ham)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



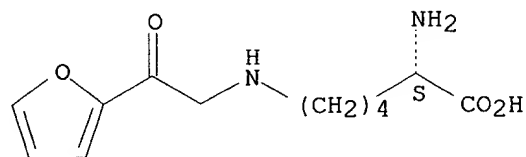
L5 ANSWER 132 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1997:623381 CAPLUS  
DN 127:261932  
TI Effect of the protein content and dilution on the lactulose/furosine ratio  
in heat-treated milk  
AU Montilla, Antonia; Olano, A.  
CS Instituto Fermentaciones Industriales, Madrid, E-28006, Spain  
SO Milchwissenschaft (1997), 52(9), 506-507  
CODEN: MILCAD; ISSN: 0026-3788  
PB VV-GmbH Volkswirtschaftlicher Verlag  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: BOC (Biological occurrence); BSU (Biological study, unclassified);  
BIOL (Biological study); OCCU (Occurrence)  
(effect of the protein content and diln. on the lactulose/furosine  
ratio in heat-treated milk)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



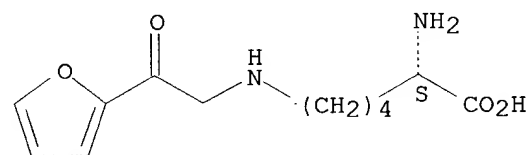
L5 ANSWER 133 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1997:582830 CAPLUS  
DN 127:247283  
TI Furosine as an index of heat treatment intensity in meat products: its  
application to cooked ham  
AU Pompei, C.; Spagnolello, A.  
CS Dipartimento di Scienze e Tecnologie Alimentari e Microbiologiche,  
Universita di Milano, Milan, Italy  
SO Meat Science (1997), 46(2), 139-146  
CODEN: MESCDN; ISSN: 0309-1740  
PB Elsevier  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: ANT (Analyte); BPR (Biological process); BSU (Biological study,  
unclassified); ANST (Analytical study); BIOL (Biological study); PROC  
(Process)  
(furosine as an index of heat treatment intensity in cooked ham)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 134 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1997:514263 CAPLUS  
DN 127:148478  
TI Influence of protein standardization and UHT heating on the furosine value and freezing point of milk  
AU Rattray, W.; Gallmann, P.; Jelen, P.  
CS Department of Agricultural, Food and Nutritional Science, University of Alberta, Edmonton, AB, Can.  
SO Lait (1997), 77(2), 297-305  
CODEN: LAITAG; ISSN: 0023-7302  
PB Elsevier  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: ANT (Analyte); ANST (Analytical study)  
(protein standardization and UHT heating effect on furosine value and f.p. of milk)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

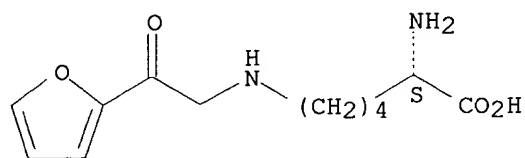


L5 ANSWER 135 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1997:514257 CAPLUS  
DN 127:148524  
TI Effects of heat load gradient occurring in molding on characterization and ripening of Grana Padano  
AU Pellegrino, L.; Battelli, G.; Resmini, P.; Ferranti, P.; Barone, F.; Addeo, F.  
CS National Research Council, Milk Centre, Milan, 20133, Italy  
SO Lait (1997), 77(2), 217-228  
CODEN: LAITAG; ISSN: 0023-7302  
PB Elsevier  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(heat load gradient during molding effect on ripening of Grana Padano cheese)  
RN 19746-33-9 CAPLUS

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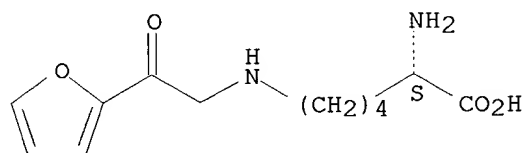
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 136 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1997:458726 CAPLUS  
DN 127:80339  
TI Study on Brocciu cheese: Determination of furosine and oxygen-18 as a  
proof of the use of reconstituted whey  
AU Meyer, Veronique; Saugues, Regine; Moussa, Issam  
CS Lab. Interregional DGCCRF, Montpellier, 34196, Fr.  
SO Annales des Falsifications de l'Expertise Chimique et Toxicologique  
(1996), 89(937), 273-287  
CODEN: AFETDF; ISSN: 0242-6110  
PB Societe des Experts-Chimistes de France  
DT Journal  
LA French  
IT **19746-33-9**, Furosine  
RL: ANT (Analyte); FMU (Formation, unclassified); ANST (Analytical study);  
FORM (Formation, nonpreparative)  
(detection of illegal addn. of reconstituted whey in Brocciu cheese  
making)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 137 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1997:403958 CAPLUS  
DN 127:80259  
TI Centripetal behavior of aging in Grana Padano and Parmigiano Reggiano  
cheeses  
AU Pellegrino, L.; Battelli, G.; Resmini, P.  
CS Centro Studi Latte-CNR, Univ. Studi Milano, Milan, Italy  
SO Scienza e Tecnica Lattiero-Casearia (1997), 48(1), 73-82  
CODEN: SLCAAF; ISSN: 0390-6361  
PB Associazione Italiana Tecnici del Latte  
DT Journal; General Review  
LA Italian  
IT **19746-33-9**, Furosine  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL  
(Biological study); PROC (Process)

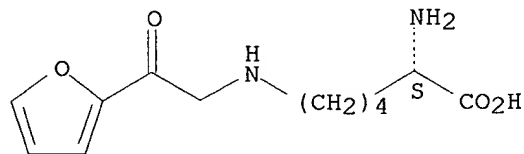
V. Balasubramanian

(centripetal behavior of aging in Grana Padano and Parmigiano Reggiano cheeses)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 138 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1997:392246 CAPLUS

DN 127:94256

TI Microwave hydrolysis for the rapid analysis of furosine in foods

AU Marconi, E.; Panfili, G.; Acquistucci, R.

CS DISTAAM, Universita del Molise, Campobasso, 86100, Italy

SO Italian Journal of Food Science (1997), 9(1), 47-55

CODEN: ITFSEY; ISSN: 1120-1770

PB Chiriotti

DT Journal

LA English

IT 19746-33-9, Furosine

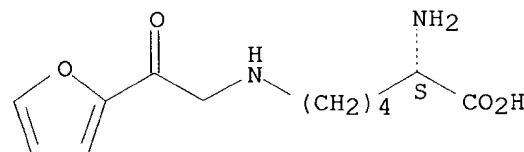
RL: ANT (Analyte); BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence)

(microwave hydrolysis for rapid anal. of furosine in foods)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 139 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1997:369506 CAPLUS

DN 127:75537

TI Synthesis, antioxidant and anti-inflammatory activity of novel substituted ethylenediamines and ethanolamines. A preliminary quantitative structure-activity relationship study

AU Andreadou, Ioanna; Rekka, Eleni A.; Demopoulos, Vassilis J.; Bijloo, Greetje J.; Kourounakis, Panos N.

CS School Pharmacy, Aristotelian Univ., Thessaloniki, 54006, Greece

SO Arzneimittel-Forschung (1997), 47(5), 643-647

CODEN: ARZNAD; ISSN: 0004-4172

PB Cantor

DT Journal

LA English

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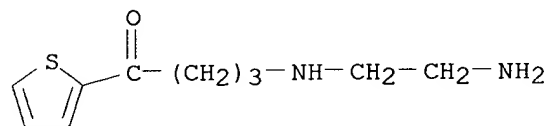
IT 134257-65-1 141809-39-4

RL: PRP (Properties)

(prepn., lipophilicity, QSAR, and antioxidant and anti-inflammatory activity of hydroxyaminoethanols and ethylenediamines)

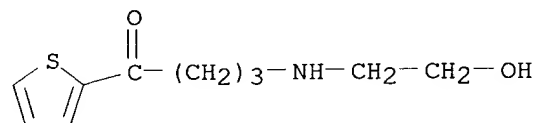
RN 134257-65-1 CAPLUS

CN 1-Butanone, 4-[(2-aminoethyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



RN 141809-39-4 CAPLUS

CN 1-Butanone, 4-[(2-hydroxyethyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 140 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1997:355355 CAPLUS

DN 127:80431

TI Effect of iron and lactose supplementation of milk on the Maillard reaction and tryptophan content

AU Birlouez-Aragon, Ines; Moreaux, Veronique; Nicolas, Marina; Ducauze, Christian J.

CS Lab. Chimie Analytique, Institut National Agronomique, Paris, 75005, Fr.

SO Food Additives and Contaminants (1997), 14(4), 381-388

CODEN: FACOEB; ISSN: 0265-203X

PB Taylor & Francis

DT Journal

LA English

IT 19746-33-9, Furosine

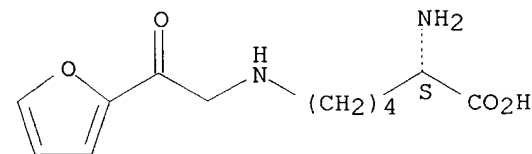
RL: FMU (Formation, unclassified); FORM (Formation, nonpreparative)

(effect of iron and lactose supplementation of milk on the Maillard reaction and tryptophan content)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

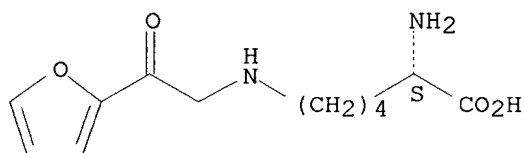
Absolute stereochemistry.



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L5 ANSWER 141 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1997:343207 CAPLUS  
DN 127:31968  
TI Ageing promotes the increase of early glycation Amadori product as assessed by .epsilon.-N-(2-furoylmethyl)-L-lysine (furosine) levels in rodent skin collagen: the relationship to dietary restriction and glycoxidation  
AU Sell, David R.  
CS Inst. Pathol., Case Western Reserve Univ., Cleveland, OH, 44106, USA  
SO Mechanisms of Ageing and Development (1997), 95(1,2), 81-99  
CODEN: MAGDA3; ISSN: 0047-6374  
PB Elsevier  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: BPR (Biological process); BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL (Biological study); FORM (Formation, nonpreparative); PROC (Process)  
(aging promotes increase of early glycation Amadori product as assessed by .epsilon.-N-(2-furoylmethyl)-L-lysine (furosine) levels in rodent skin collagen and relationship to dietary restriction and glycoxidn.)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

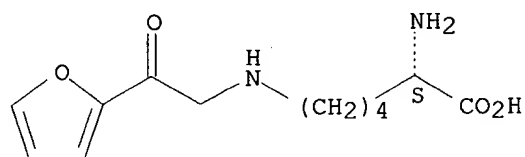


L5 ANSWER 142 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1997:249393 CAPLUS  
DN 126:329661  
TI Analysis of .epsilon.-N-2-furoylmethyl-L-lysine (Furosine) in concentrated milk by reversed phase chromatography with a microbore column  
AU Nicoletti, I.; Cogliandro, E.; Corradini, C.; Corradini, D.  
CS Istituto Cromatografia C.N.R., Rome, I-00016, Italy  
SO Journal of Liquid Chromatography & Related Technologies (1997), 20(5), 719-729  
CODEN: JLCTFC; ISSN: 1082-6076  
PB Dekker  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: ANT (Analyte); ANST (Analytical study)  
(anal. of furosine in milk by reversed phase chromatog. with a microbore column)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

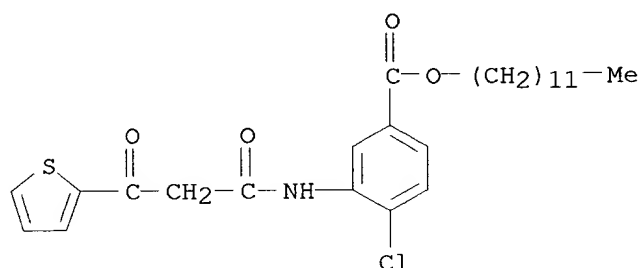


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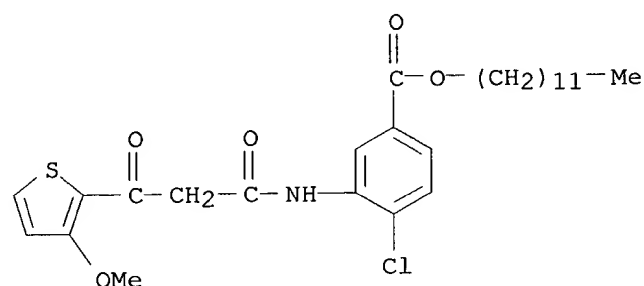


L5 ANSWER 143 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1997:186832 CAPLUS  
DN 126:192863  
TI Image-dye-forming couplers and photographic elements containing them  
IN Clark, Bernard Arthur James; Gourley, Robert Nicholas; McNab, Hamish;  
Sommerville, Craig Cameron  
PA Kodak Limited, UK; Eastman Kodak Company  
SO Eur. Pat. Appl., 27 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 751427	A1	19970102	EP 1996-201757	19960625
	EP 751427	B1	20010328		
	R: DE, FR, GB				
	US 5693458	A	19971202	US 1996-669194	19960624
PRAI	GB 1995-13108	A	19950628		
OS	MARPAT 126:192863				
IT	<b>187333-48-8P 187333-50-2P</b>				
	RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)				
	(prepn. and use as yellow photog. coupler)				
RN	187333-48-8 CAPLUS				
CN	Benzoic acid, 4-chloro-3-[[1,3-dioxo-3-(2-thienyl)propyl]amino]-, dodecyl ester (9CI) (CA INDEX NAME)				

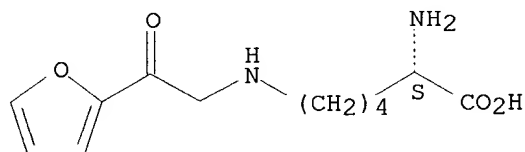


RN 187333-50-2 CAPLUS  
CN Benzoic acid, 4-chloro-3-[[3-(3-methoxy-2-thienyl)-1,3-dioxopropyl]amino]-, dodecyl ester (9CI) (CA INDEX NAME)



L5 ANSWER 144 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1997:184286 CAPLUS  
 DN 126:316717  
 TI Formation of lactulose and furosine during heat treatment of milk at temperatures of 100-120.degree.  
 AU De Rafael, D.; Villamiel, M.; Olano, A.  
 CS Instituto Fermentaciones Industriales, Madrid, 28006, Spain  
 SO Milchwissenschaft (1997), 52(2), 76-78  
 CODEN: MILCAD; ISSN: 0026-3788  
 PB VV-GmbH Volkswirtschaftlicher Verlag  
 DT Journal  
 LA English  
 IT **19746-33-9, Furosine**  
 RL: BPR (Biological process); BSU (Biological study, unclassified); FMU (Formation, unclassified); BIOL (Biological study); FORM (Formation, nonpreparative); PROC (Process)  
 (formation of lactulose and furosine during heat treatment of milk at 100-120.degree.)  
 RN 19746-33-9 CAPLUS  
 CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

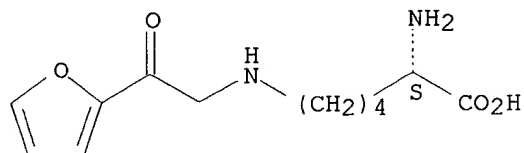


L5 ANSWER 145 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1997:121985 CAPLUS  
 DN 126:222562  
 TI Determination of furosine in hair by liquid chromatography-tandem mass spectrometry  
 AU Takemura, Akira; Muramatsu, Shigeki; Kobayashi, Nobuhiro; Nakagawa, Akihiko; Kitazawa, Eiichi; Uematsu, Toshihiko  
 CS Product Development Labs., Sankyo Co. Ltd., Tokyo, 140, Japan  
 SO Biomedical Chromatography (1997), 11(1), 61-62  
 CODEN: BICHE2; ISSN: 0269-3879  
 PB Wiley  
 DT Journal  
 LA English

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IT 19746-33-9, Furosine  
RL: ANT (Analyte); ANST (Analytical study)  
(furosine detn. in hair by LC-MS as protein glycation marker)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

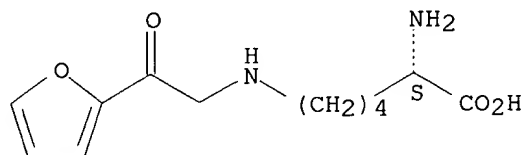


L5 ANSWER 146 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1997:9292 CAPLUS  
DN 126:28820  
TI Determination of glycosylated proteins  
IN Torrens, David John; Shipley, Darren Paul; Poller, Sarah Catherine  
PA Genzyme Limited, UK; Torrens, David John; Shipley, Darren Paul; Poller, Sarah Catherine  
SO PCT Int. Appl., 32 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9634977	A1	19961107	WO 1996-EP1912	19960503
	W:	AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI			
	RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN			
	CA 2218982	AA	19961107	CA 1996-2218982	19960503
	AU 9658152	A1	19961121	AU 1996-58152	19960503
	AU 694039	B2	19980709		
	EP 823943	A1	19980218	EP 1996-919704	19960503
	EP 823943	B1	19990728		
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE			
	JP 11504808	T2	19990511	JP 1996-533023	19960503
	JP 3159451	B2	20010423		
	AT 182626	E	19990815	AT 1996-919704	19960503
	ES 2136418	T3	19991116	ES 1996-919704	19960503
	PL 183162	B1	20020531	PL 1996-323183	19960503
	US 6008006	A	19991228	US 1997-945724	19971105
PRAI	GB 1995-9248	A	19950505		
	GB 1995-16757	A	19950816		
	WO 1996-EP1912	W	19960503		
IT	19746-33-9, Furosine				
	RL: ANT (Analyte); ANST (Analytical study)				
	(glycoproteins detn. with proteinase and peroxidase and ketoamine oxidase)				
RN	19746-33-9 CAPLUS				
CN	L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)				

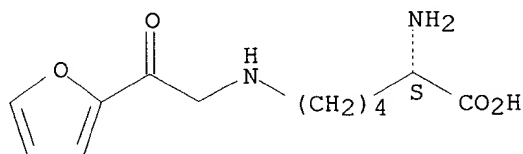
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Absolute stereochemistry.



L5 ANSWER 147 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1996:750048 CAPLUS  
DN 126:30517  
TI Comparison of a rapid fluorimetric method with HPLC procedures applied to  
heat treatment distinction of liquid milk  
AU Birlouez-Aragon, I.; Nicolas, M.; Garcia, E.; Marchond, N.; Grenier, J.;  
Calvo, D.  
CS Analytical Chemistry Laboratory, Institut National Agronomique, Paris,  
75231/05, Fr.  
SO International Dairy Federation [Special Issue] S.I. (1996), 9602 (Heat  
Treatments & Alternative Methods), 458-464  
CODEN: IDFSEO; ISSN: 1025-8515  
PB International Dairy Federation  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: FMU (Formation, unclassified); PEP (Physical, engineering or chemical  
process); FORM (Formation, nonpreparative); PROC (Process)  
(comparison of a rapid fluorimetric method with HPLC procedures applied  
to heat treatment distinction of liq. milk)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

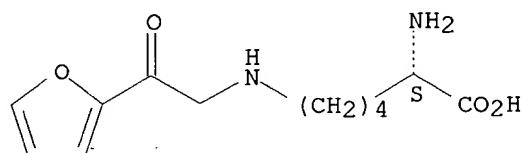


L5 ANSWER 148 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1996:750041 CAPLUS  
DN 126:30512  
TI Significance of the main chemical indicators of heat load for  
characterizing raw, thermized, pasteurized and high temperature  
pasteurized milk  
AU Pellegrino, L.; Tirelli, A.; Masotti, F.; Resmini, P.  
CS Milk Centre National Research Council, University Milan, Italy  
SO International Dairy Federation [Special Issue] S.I. (1996), 9602 (Heat  
Treatments & Alternative Methods), 373-388  
CODEN: IDFSEO; ISSN: 1025-8515  
PB International Dairy Federation  
DT Journal  
LA English

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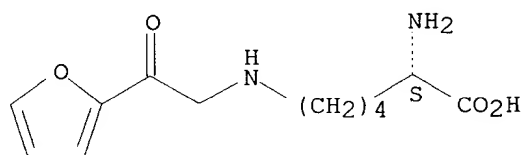
IT 19746-33-9, Furosine  
RL: FMU (Formation, unclassified); PEP (Physical, engineering or chemical process); FORM (Formation, nonpreparative); PROC (Process)  
(significance of the main chem. indicators of heat load for characterizing raw, thermized, pasteurized and high temp. pasteurized milk)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 149 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1996:738654 CAPLUS  
DN 126:6792  
TI Correlation between Lactulose and Furosine in UHT-Heated Milk  
AU Montilla, Antonia; Calvo, Marta M.; Santa-Maria, Guillermo; Corzo, Nieves; Olano, Agustin  
CS Instituto de Fermentaciones Industriales, Jan de la Cierva, Madrid, Spain  
SO Journal of Food Protection (1996), 59(10), 1061-1064  
CODEN: JFPRDR; ISSN: 0362-028X  
PB International Association of Milk, Food and Environmental Sanitarians  
DT Journal  
LA English  
IT 19746-33-9, Furosine  
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); FMU (Formation, unclassified); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence)  
(correlation between lactulose and furosine in UHT-heated milk)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

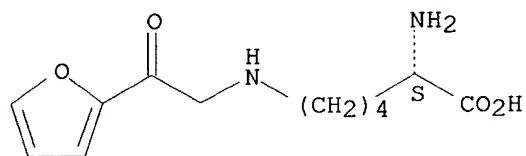


L5 ANSWER 150 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1996:708027 CAPLUS  
DN 126:6652  
TI Application of the Microwave Hydrolysis to Furosine Determination in Cereal and Dairy Foods  
AU Acquistucci, R.; Panfili, G.; Marconi, E.  
CS Istituto Nazionale Nutrizione, Rome, 00178, Italy  
SO Journal of Agricultural and Food Chemistry (1996), 44(12), 3855-3857  
CODEN: JAFCAU; ISSN: 0021-8561

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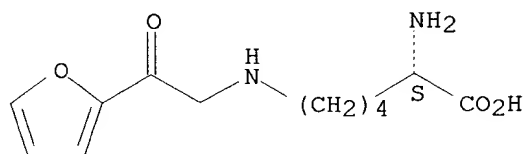
PB American Chemical Society  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: ANT (Analyte); PEP (Physical, engineering or chemical process); ANST (Analytical study); PROC (Process)  
(application of the microwave hydrolysis to furosine detn. in cereal and dairy foods)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 151 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1996:695000 CAPLUS  
DN 126:6668  
TI Furosine determination in baby cereals by ion-pair reversed-phase liquid chromatography  
AU Guerra-Hernandez, E.; Corzo, N.  
CS Dep. de Nutricion y Bromatologfa, Univ. de Granada, Granada, 18012, Spain  
SO Cereal Chemistry (1996), 73(6), 729-731  
CODEN: CECHAF; ISSN: 0009-0352  
PB American Association of Cereal Chemists  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: ANT (Analyte); ANST (Analytical study)  
(furosine detn. in baby cereals by ion-pair reversed-phase liq. chromatog.)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

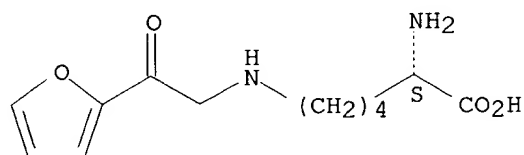


L5 ANSWER 152 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1996:673519 CAPLUS  
DN 125:326653  
TI Capillary electrophoresis applied to the analysis of furosine in milk  
AU Del Giovine, L.; Bocca, A.  
CS Lab. Alimenti, Istituto Superiore di Sanita, Italy  
SO Rivista di Scienza dell'Alimentazione (1996), 25(3), 247-252  
CODEN: RSAIE3; ISSN: 0391-4887

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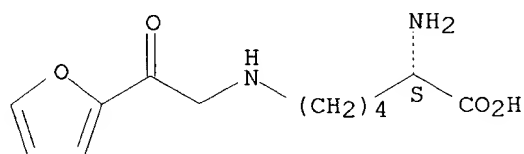
PB Societa Editrice Alimenti, Alimentazione e Nutrizione s.r.l.  
DT Journal  
LA Italian  
IT **19746-33-9, Furosine**  
RL: ANT (Analyte); ANST (Analytical study)  
(capillary electrophoresis applied to the anal. of furosine in milk)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 153 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1996:645938 CAPLUS  
DN 126:17363  
TI Interactions of elastin and aorta with sugars in vitro and their effects on biochemical and physical properties  
AU Winlove, C. P.; Parker, K. H.; Avery, N. C.; Bailey, A. J.  
CS Centre Biological Medical Systems, Imperial College Science Technology Medicine, London, SW7 2BY, UK  
SO Diabetologia (1996), 39(10), 1131-1139  
CODEN: DBTGAJ; ISSN: 0012-186X  
PB Springer  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(elastin and aorta interaction with sugars in vitro and their biochem. and phys. properties)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 154 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1996:640128 CAPLUS  
DN 125:274197  
TI The Maillard reaction in pasta: preliminary classification by multivariate techniques  
AU Acquistucci, R.  
CS Istituto Nazionale della Nutrizione, Rome, 00178, Italy  
SO Food Science & Technology (London) (1996), 29(7), 626-631

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CODEN: LBWTAP; ISSN: 0023-6438

PB Academic

DT Journal

LA English

IT 19746-33-9, Furosine

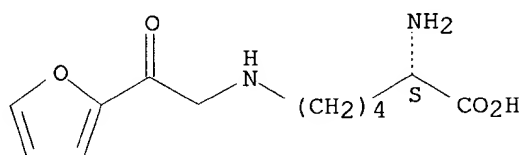
RL: BOC (Biological occurrence); BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); OCCU (Occurrence); PROC (Process)

(Maillard reaction contribution to pasta compn. and properties)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 155 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1996:612962 CAPLUS

DN 125:274082

TI Chemical changes during microwave treatment of milk

AU Villamiel, M.; Corzo, N.; Martinez-Castro, I.; Olano, A.

CS Instituto Fermentaciones Industriales, Madrid, E-28006, Spain

SO Food Chemistry (1996), 56(4), 385-388

CODEN: FOCHDJ; ISSN: 0308-8146

PB Elsevier

DT Journal

LA English

IT 19746-33-9, Furosine

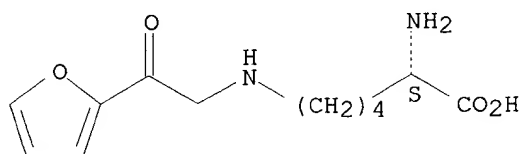
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)

(chem. changes during microwave treatment of milk)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 156 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1996:508868 CAPLUS

DN 125:211841

TI Anti-inflammatory activity of some novel 1-[3-(arylo)] and one 1-[3-(aryloxy)]propyl aminothiazole in correlation with structure and lipophilicity

AU Hadjipavlou-Litina, Dimitra J.; Geronikaki, Athina A.

CS Sch. Pharm., Univ. Thessaloniki, Thessaloniki, 54006, Greece



V. Balasubramanian

SO Arzneimittel-Forschung (1996), 46(8), 805-808  
CODEN: ARZNAD; ISSN: 0004-4172

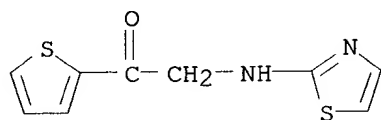
PB Cantor  
DT Journal  
LA English

IT 181191-61-7 181191-62-8 181191-63-9  
181191-65-1

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(antiinflammatory activity of aroyl- and aryloxypropyl aminothiazoles in relation to structure and lipophilicity)

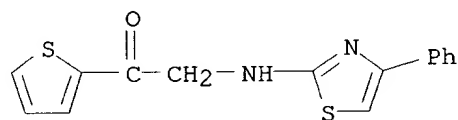
RN 181191-61-7 CAPLUS

CN Ethanone, 2-(2-thiazolylamino)-1-(2-thienyl)- (9CI) (CA INDEX NAME)



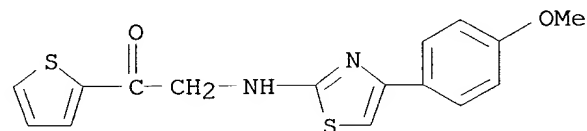
RN 181191-62-8 CAPLUS

CN Ethanone, 2-[[4-phenyl-2-thiazolyl]amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



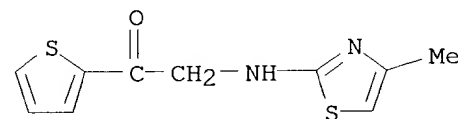
RN 181191-63-9 CAPLUS

CN Ethanone, 2-[[4-(4-methoxyphenyl)-2-thiazolyl]amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



RN 181191-65-1 CAPLUS

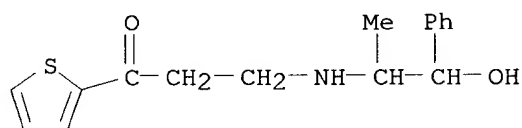
CN Ethanone, 2-[[4-methyl-2-thiazolyl]amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 157 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1996:491939 CAPLUS

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DN 125:212183  
TI Effects of thiofedrine on platelet aggregation, thromboxane B2 and 6-keto-PGF1.alpha. in rats  
AU Qu, Yun-Zhi; Wang, Yue-E.; Li, Xi-Xian  
CS Department Pharmacology, Inner Mongolia Medical College, Huhhot, Peop. Rep. China  
SO Methods and Findings in Experimental and Clinical Pharmacology (1996), 18(5), 297-300  
CODEN: MFEPDX; ISSN: 0379-0355  
PB Prous  
DT Journal  
LA English  
IT **28745-69-9**, 1-Propanone, 3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-1-(2-thienyl)-hydrochloride  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study) (effects of thiofedrine on platelet aggregation, thromboxane B2 and 6-keto-PGF1.alpha. in rats)  
RN 28745-69-9 CAPLUS  
CN 1-Propanone, 3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-1-(2-thienyl)-, hydrochloride (9CI) (CA INDEX NAME)

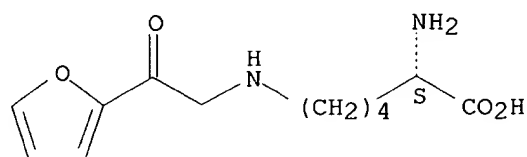


● HCl

L5 ANSWER 158 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1996:401778 CAPLUS  
DN 125:85097  
TI Sensitive determination of lysinoalanine for distinguishing natural from imitation Mozzarella cheese  
AU Pellegrino, L.; Resmini, P.; De Noni, I.; Masotti, F.  
CS Milk Cent. Natl. Res. Council, State Univ. Milan, Milan, 20133, Italy  
SO Journal of Dairy Science (1996), 79(5), 725-734  
CODEN: JDSCAE; ISSN: 0022-0302  
PB American Dairy Science Association  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL (Biological study); FORM (Formation, nonpreparative) (lysinoalanine and furosine detn. for distinguishing natural from imitated Mozzarella cheese)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

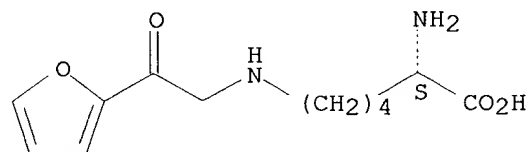
Absolute stereochemistry.

V. Balasubramanian



L5 ANSWER 159 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1996:383378 CAPLUS  
DN 125:85107  
TI Furosine in consumption milk and milk powders  
AU Van Renterghem, Roland; De Block, Jan  
CS Government Dairy Research Station, Melle, B-9090, Belg.  
SO International Dairy Journal (1996), 6(4), 371-382  
CODEN: IDAJE6; ISSN: 0958-6946  
PB Elsevier  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); FMU (Formation, unclassified); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence)  
(of milk and milk powders in Belgium in relation to processing conditions)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

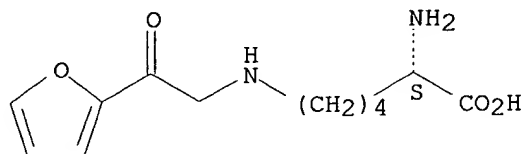
Absolute stereochemistry.



L5 ANSWER 160 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1996:357238 CAPLUS  
DN 125:84913  
TI New methodological approaches for the analytical control of heat damage in milk  
AU Del Giovine, Luciana; Bocca, Adriana  
CS Lab. Alimenti, Istituto Superiore di Sanita, Italy  
SO Rapporti ISTISAN (1995), 95/40, 18 pp.  
CODEN: RAISEF; ISSN: 1123-3117  
DT Report  
LA Italian  
IT **19746-33-9**, Furosine  
RL: ANT (Analyte); ANST (Analytical study)  
(new methodol. approaches for detn. of heat damage in milk)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

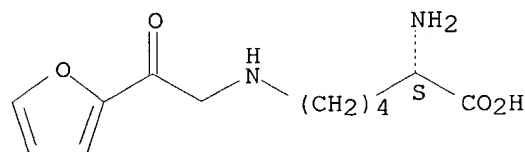
Absolute stereochemistry.

V. Balasubramanian



L5 ANSWER 161 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1996:318452 CAPLUS  
DN 124:341348  
TI Evolution of Chemical and Physical Yolk Characteristics during the Storage of Shell Eggs  
AU Hidalgo, Alyssa; Lucisano, Mara; Comelli, Elena M.; Pompei, Carlo  
CS Dipartimento di Scienze e Tecnologie Alimentari e Microbiologiche, Università degli Studi di Milano, Milan, 20133, Italy  
SO Journal of Agricultural and Food Chemistry (1996), 44(6), 1447-1452  
CODEN: JAFCAU; ISSN: 0021-8561  
PB American Chemical Society  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL (Biological study); FORM (Formation, nonpreparative)  
(evolution of chem. and phys. yolk characteristics during the storage of shell eggs)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

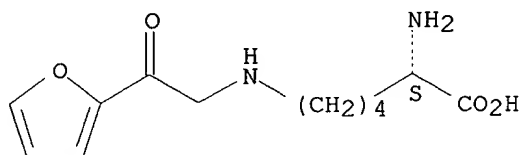
Absolute stereochemistry.



L5 ANSWER 162 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1996:318329 CAPLUS  
DN 124:341660  
TI Absorption of Lysine and Deoxyketosyllysine in an Early-Maillard Browning Casein by the Growing Pig  
AU Moughan, Paul J.; Gall, Mark P. J.; Rutherford, Shane M.  
CS Monogastric Research Centre, Massey University, Palmerston North, N. Z.  
SO Journal of Agricultural and Food Chemistry (1996), 44(6), 1520-1525  
CODEN: JAFCAU; ISSN: 0021-8561  
PB American Chemical Society  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(absorption of lysine and deoxyketosyllysine in an early-Maillard browned casein by the growing pig)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

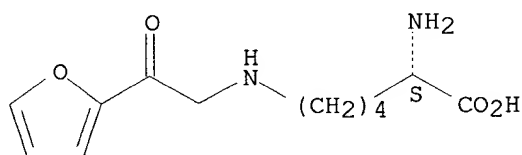
V. Balasubramanian

Absolute stereochemistry.



L5 ANSWER 163 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1996:300513 CAPLUS  
DN 125:56762  
TI Use of furosine as an indicator of thermal drying in pasta production  
AU Mecucci, Maria Letizia; Acquistucci, Rita; Selvatico, Alessandro  
CS Istituti di Merceologia, Universita degli Studi di Perugia, Italy  
SO Rivista di Merceologia (1995), 34(3), 173-179  
CODEN: RIMEDE; ISSN: 0392-064X  
PB Cooperativa Libreria Universitaria Editrice  
DT Journal  
LA Italian  
IT **19746-33-9**, Furosine  
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PEP  
(Physical, engineering or chemical process); BIOL (Biological study); OCCU  
(Occurrence); PROC (Process)  
(use of furosine as an indicator of thermal drying in pasta prodn.)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

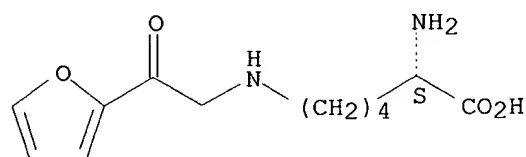


L5 ANSWER 164 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1996:256402 CAPLUS  
DN 124:287471  
TI Evolution of Chemical and Physical Albumen Characteristics during the  
Storage of Shell Eggs  
AU Lucisano, Mara; Hidalgo, Alyssa; Comelli, Elena M.; Rossi, Margherita  
CS Dipartimento di Scienze e Tecnologie Alimentari e Microbiologiche,  
Universita degli Studi di Milano, Milan, 20133, Italy  
SO Journal of Agricultural and Food Chemistry (1996), 44(5), 1235-40  
CODEN: JAFCAU; ISSN: 0021-8561  
PB American Chemical Society  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: FMU (Formation, unclassified); FORM (Formation, nonpreparative)  
(evolution of chem. and phys. albumen characteristics during the  
storage of shell eggs)  
RN 19746-33-9 CAPLUS

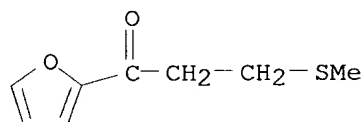
V. Balasubramanian

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 165 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1996:197539 CAPLUS  
DN 124:342199  
TI Stepwise controlled reduction of .alpha.-oxoketene dithioacetals with  
Zn/ZnCl<sub>2</sub>-TMEDA in ethanol  
AU Yadav, K. Mallik; Suresh, Joghee R.; Patro, Balaram; Ila, Hiriyakkanavar;  
Junjappa, Hiriyakkanavar  
CS Dep. Chemistry, North-Eastern Hill Univ., Shillong, 793 003, India  
SO Tetrahedron (1996), 52(13), 4679-86  
CODEN: TETRAB; ISSN: 0040-4020  
PB Elsevier  
DT Journal  
LA English  
OS CASREACT 124:342199  
IT **176646-25-6P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(redn. of oxoketene dithioacetals with zinc/zinc dichloride-TMEDA in  
ethanol)  
RN 176646-25-6 CAPLUS  
CN 1-Propanone, 1-(2-furanyl)-3-(methylthio)- (9CI) (CA INDEX NAME)



L5 ANSWER 166 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1996:187781 CAPLUS  
DN 124:270535  
TI Early and advanced glycosylation end products. Kinetics of formation and  
clearance in peritoneal dialysis  
AU Friendlander, Miriam A.; Wu, Yu Ching; Elgawish, Abdelhamid; Monnier,  
Vincent M.  
CS Dep. Medicine and Institute Pathology, Case-Western Reserve Univ.,  
Cleveland, OH, 44106, USA  
SO Journal of Clinical Investigation (1996), 97(3), 728-35  
CODEN: JCINAO; ISSN: 0021-9738  
PB Rockefeller University Press  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL

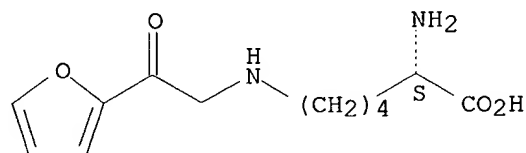
V. Balasubramanian

(Biological study); FORM (Formation, nonpreparative)  
(early and advanced glycosylation end products; kinetics of formation  
and clearance in peritoneal dialysis)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 167 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1996:178291 CAPLUS

DN 124:230297

TI Determination of furosine in dairy products by capillary zone  
electrophoresis: a comparison with the HPLC method

AU Tirelli, A.; Pellegrino, L.

CS Dipartimento di Scienze e Tecnologie Alimentari e Microbiologiche,  
Universita degli Studi di Milano, Milano, 20133, Italy

SO Italian Journal of Food Science (1995), 7(4), 379-85

CODEN: ITFSEY; ISSN: 1120-1770

PB Chiriotti

DT Journal

LA English

IT 19746-33-9, Furosine

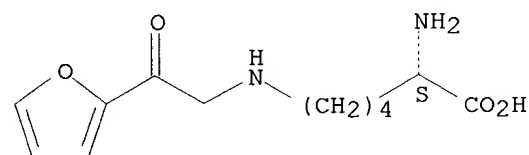
RL: ANT (Analyte); ANST (Analytical study)

(detn. of furosine in dairy products by capillary zone electrophoresis  
and comparison with the HPLC method)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 168 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1996:175289 CAPLUS

DN 124:230414

TI Maillard reaction in microwave cooking: comparison of early Maillard  
products in conventionally and microwave-heated milk

AU Meissner, Karin; Erbersdobler, Helmut F.

CS Inst. Human Nutrition Food Sci., Christian-Albrechts-Univ., Kiel, D-24105,  
Germany

SO Journal of the Science of Food and Agriculture (1996), 70(3), 307-10

CODEN: JSFAAE; ISSN: 0022-5142

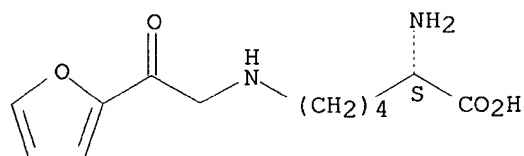
PB Wiley

DT Journal

V. Balasubramanian

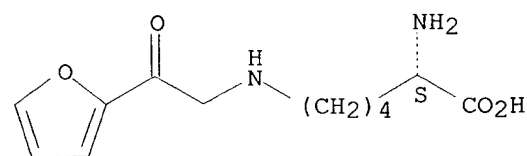
LA English  
IT **19746-33-9**, Furosine  
RL: FMU (Formation, unclassified); FORM (Formation, nonpreparative)  
(Maillard reaction products in microwave cooking as compared to  
conventional-heated milk)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 169 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1996:145959 CAPLUS  
DN 124:259147  
TI The browning of wheat germ preparations. Part 2. Non-enzymic processes  
AU El-Zeany, B. A.; Tawakkol, M. S.; Shehata, M. A.; Berger, R. G.  
CS Fac. Pharm., Cairo Univ., Cairo, 11562, Egypt  
SO Chemie, Mikrobiologie, Technologie der Lebensmittel (1995), 17(5/6), 135-8  
CODEN: CMTLBX; ISSN: 0366-7154  
PB Dr. G. Leupold  
DT Journal  
LA English  
IT **19746-33-9P**, Furosine  
RL: BSU (Biological study, unclassified); BYP (Byproduct); BIOL  
(Biological study); PREP (Preparation)  
(browning of wheat germ preps. and their nonenzymic processed  
products)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



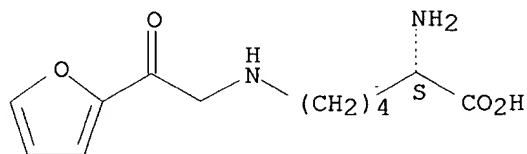
L5 ANSWER 170 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1996:104870 CAPLUS  
DN 124:143919  
TI Analysis of .epsilon.-N-2-furoylmethyl-L-lysine (furosine) in dried milk  
by capillary electrophoresis with controlled electroosmotic flow using  
N,N,N',N'-tetramethyl-1,3-butanediamine in the running electrolyte  
solution  
AU Corradini, Danilo; Cannarsa, Gianfranco; Corradini, Claudio; Nicoletti,  
Isabella; Pizzoferrato, Laura; Vivanti, Vittorio  
CS Ist. Cromatografia, CNR, I-00016, Italy  
SO Electrophoresis (1996), 17(1), 120-4



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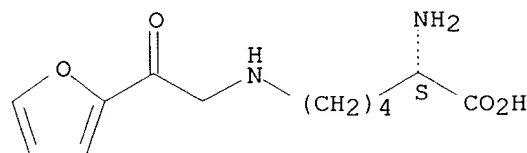
CODEN: ELCTDN; ISSN: 0173-0835  
PB VCH  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. of furosine in dry milk by capillary electrophoresis with  
controlled electroosmotic flow)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 171 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1996:77877 CAPLUS  
DN 124:173983  
TI Effect of thermal treatment on the content of furosine in cows milk  
AU Clasadonte, Maria Teresa; Zerbo, Antonio; Ciraolo, Luigi  
CS Univ. degli Studi, Cantania, 95129, Italy  
SO Industrie Alimentari (Pinerolo, Italy) (1995), 34(341), 1016-19  
CODEN: INALBB; ISSN: 0019-901X  
PB Chiriotti  
DT Journal  
LA Italian  
IT **19746-33-9, Furosine**  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL  
(Biological study); PROC (Process)  
(effect of thermal treatment on the content of furosine in cows milk)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 172 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1995:992453 CAPLUS  
DN 124:30255  
TI Preparation of steroidal disaccharide glycosides as hypocholesterolemic  
and antiatherosclerosis agents  
IN Deninno, Michael Paul  
PA Pfizer Inc., USA  
SO PCT Int. Appl., 102 pp.  
CODEN: PIXXD2

V. Balasubramanian

DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9518143	A1	19950706	WO 1994-IB348	19941110
	W: AU, BG, BR, CA, CN, CZ, HU, JP, KR, LV, NO, NZ, PL, RO, RU, SI, SK, UA, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	CA 2180148	AA	19950706	CA 1994-2180148	19941110
	AU 9479483	A1	19950717	AU 1994-79483	19941110
	EP 737202	A1	19961016	EP 1994-930330	19941110
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
	JP 09500906	T2	19970128	JP 1994-517868	19941110
	FI 9406105	A	19950629	FI 1994-6105	19941227
	BR 9502969	A	19970923	BR 1995-2969	19950628
PRAI	US 1993-174099		19931228		
	WO 1994-IB348		19941110		

OS MARPAT 124:30255

IT **171660-73-4P**

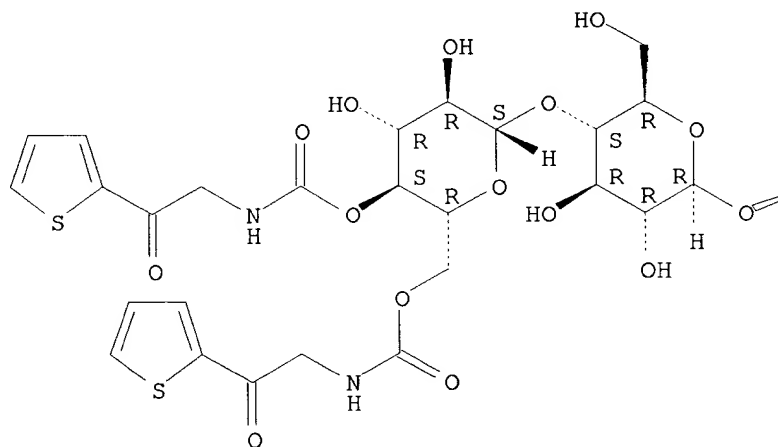
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of spirostanyl disaccharide glycosides as hypocholesterolemic and antiatherosclerosis agents)

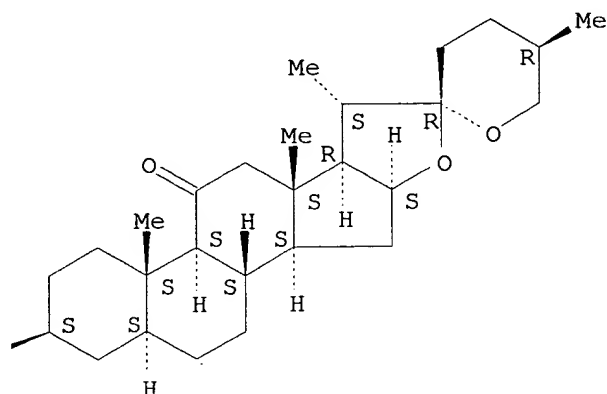
RN 171660-73-4 CAPLUS

CN Spirostan-11-one, 3-[[4-O-[4,6-bis-O-[[[2-oxo-2-(2-thienyl)ethyl]amino]carbonyl]-.beta.-D-glucopyranosyl]-.beta.-D-glucopyranosyl]oxy]-, (3.beta.,5.alpha.,25R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

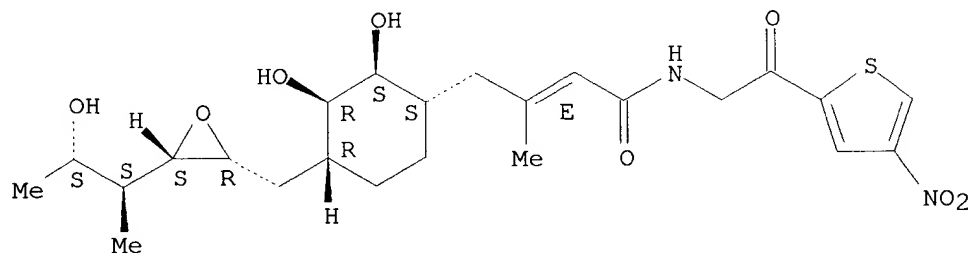
PAGE 1-A





L5 ANSWER 173 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1995:968342 CAPLUS  
 DN 124:193346  
 TI The chemistry of pseudomonic acid. Part 14. Synthesis and in vivo biological activity of heterocycle-substituted oxazole derivatives  
 AU Broom, N. J. P.; Elder, J. S.; Hannan, P. C. T.; Pons, J. E.; O'Hanlon, P. J.; Walker, G.; Wilson, J.; Woodall, P.  
 CS SmithKline Beecham Pharmaceuticals, Betchworth, Surrey, RH3 7AJ, UK  
 SO Journal of Antibiotics (1995), 48(11), 1336-44  
 CODEN: JANTAJ; ISSN: 0021-8820  
 PB Japan Antibiotics Research Association  
 DT Journal  
 LA English  
 IT **173038-59-0P**  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (bactericidal intermediate; prepn. and cyclization of)  
 RN 173038-59-0 CAPLUS  
 CN 2-Butenamide, 4-[2,3-dihydroxy-4-[[3-(2-hydroxy-1-methylpropyl)oxiranyl)methyl]cyclohexyl]-3-methyl-N-[2-(4-nitro-2-thienyl)-2-oxoethyl]-, [1S-[1.alpha.(E),2.beta.,3.beta.,4.alpha.[2S\*,3R\*(1R\*,2R\*)]]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry as shown.



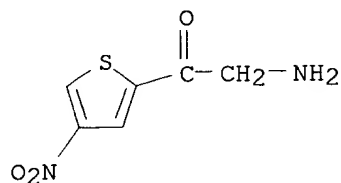
IT **173038-49-8P 173038-51-2P**

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RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. and bactericidal activity of heterocycle-substituted oxazole  
derivs.)

RN 173038-49-8 CAPLUS

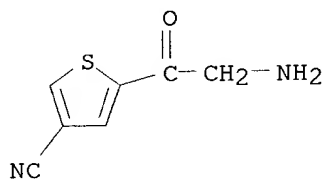
CN Ethanone, 2-amino-1-(4-nitro-2-thienyl)-, monohydrochloride (9CI) (CA  
INDEX NAME)



● HCl

RN 173038-51-2 CAPLUS

CN 3-Thiophenecarbonitrile, 5-(aminoacetyl)-, monohydrochloride (9CI) (CA  
INDEX NAME)



● HCl

L5 ANSWER 174 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1995:864083 CAPLUS

DN 124:7425

TI Coupling of lactulose and furosine indices for quality evaluation of  
sterilized milk

AU Pellegrino, L.; De Noni, I.; Resmini, P.

CS Milk Centre, National Research Council, Milan, Italy

SO International Dairy Journal (1995), 5(7), 647-59

CODEN: IDAJE6; ISSN: 0958-6946

PB Elsevier

DT Journal

LA English

IT 19746-33-9, Furosine

RL: ANT (Analyte); ANST (Analytical study)

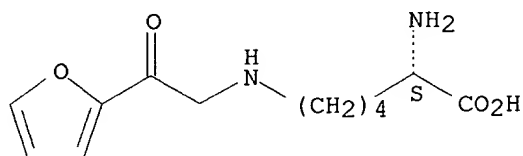
(coupling of lactulose and furosine indexes for quality evaluation of  
sterilized milk)

RN 19746-33-9 CAPLUS

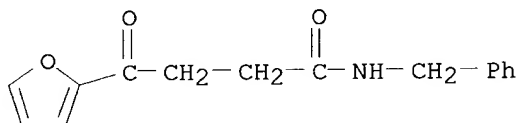
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

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Absolute stereochemistry.



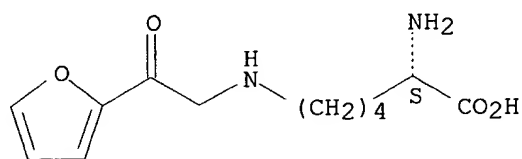
L5 ANSWER 175 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1995:788041 CAPLUS  
DN 123:338666  
TI Acetylenic amides. 2. The generation and reactions of dianions derived from 2-propynamides  
AU Coppola, Gary M.; Damon, Robert E.  
CS Sandoz Research Institute, Sandoz Pharmaceuticals Corporation, East Hanover, NJ, 07936, USA  
SO Journal of Heterocyclic Chemistry (1995), 32(4), 1133-9  
CODEN: JHTCAD; ISSN: 0022-152X  
PB HeteroCorporation  
DT Journal  
LA English  
OS CASREACT 123:338666  
IT **170805-88-6P**  
RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)  
RN 170805-88-6 CAPLUS  
CN 2-Furanbutanamide, .gamma.-oxo-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 176 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1995:756258 CAPLUS  
DN 123:141998  
TI HPLC analysis of furosine as an indicator of lysine residue glycation of milk protein  
AU Watanabe, Kazutoshi; Nakamura, Fumihiko; Suyama, Kyoza  
CS Fac. Agric., Tohoku Univ., Sendai, 981, Japan  
SO Animal Science and Technology (1995), 66(3), 293-8  
CODEN: ALSTEQ; ISSN: 0918-2365  
DT Journal  
LA Japanese  
IT **19746-33-9**, Furosine  
RL: ANT (Analyte); ANST (Analytical study) (HPLC detn. of furosine as index of lysine glycation in proteins of milk and milk preps. and dairy products)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

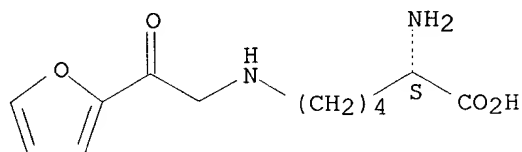
Absolute stereochemistry.

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L5 ANSWER 177 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1995:729362 CAPLUS  
DN 123:254804  
TI Determination of furosine in pasteurized milk by use of ion-pair reversed-phase liquid chromatography.  
AU Clawin-Raedecker, I.; Schlimme, E.  
CS Institut Chemie und Physik, Bundesanstalt Milchwissenschaft, Kiel, Germany  
SO Kieler Milchwirtschaftliche Forschungsberichte (1995), 47(2), 169-75  
CODEN: KMWFAF; ISSN: 0023-1347  
PB Verlag Th. Mann  
DT Journal  
LA English  
IT 19746-33-9, Furosine  
RL: ANT (Analyte); POL (Pollutant); ANST (Analytical study); OCCU (Occurrence)  
(detn. of furosine in pasteurized milk by use of ion-pair reversed-phase liq. chromatog.)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

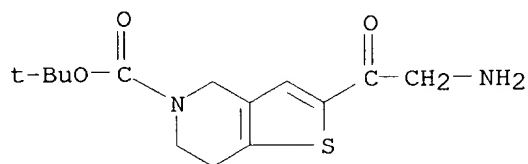
Absolute stereochemistry.



L5 ANSWER 178 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1995:723127 CAPLUS  
DN 123:143870  
TI preparation of novel heterocyclic compounds as platelet aggregation inhibitors  
IN Katano, Kiyoaki; Ohuchi, Shokichi; Shitara, Eiki; Shimizu, Masaro; Yaegashi, Kazue; Miura, Tomoaki; Isomura, Yasuko; Iida, Hiroyuki; Ishikawa, Midori; et al.  
PA Meiji Seika K. K., Japan  
SO PCT Int. Appl., 190 pp.  
CODEN: PIXXD2  
DT Patent  
LA Japanese  
FAN.CNT 1  
PATENT NO.                      KIND      DATE                      APPLICATION NO.      DATE  
-----  
PI      WO 9421599                      A1      19940929                      WO 1994-JP437              19940317  
W: AU, CA, CN, JP, KR, NO, NZ, US  
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

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CA 2136007	AA 19940929	CA 1994-2136007	19940317
AU 9462638	A1 19941011	AU 1994-62638	19940317
AU 688756	B2 19980319		
EP 641770	A1 19950308	EP 1994-910038	19940317
EP 641770	B1 19980513		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE			
CN 1107277	A 19950823	CN 1994-190209	19940317
CN 1045084	B 19990915		
AT 166047	E 19980515	AT 1994-910038	19940317
ES 2117264	T3 19980801	ES 1994-910038	19940317
NO 9404371	A 19950113	NO 1994-4371	19941116
US 5594004	A 19970114	US 1995-347402	19950130
US 5698692	A 19971216	US 1996-733743	19961018
AU 9852084	A1 19980319	AU 1998-52084	19980115
AU 723180	B2 20000817		
PRAI JP 1993-57463	A 19930317		
JP 1993-82145	A 19930408		
JP 1993-265273	A 19931022		
WO 1994-JP437	W 19940317		
US 1995-347402	A3 19950130		
OS MARPAT 123:143870			
IT <b>165947-57-9P</b>			
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)			
(prepn. of novel heterocyclic compds. as platelet aggregation inhibitors)			
RN 165947-57-9	CAPLUS		
CN	Thieno[3,2-c]pyridine-5(4H)-carboxylic acid, 2-(aminoacetyl)-6,7-dihydro-, 1,1-dimethylethyl ester, monohydrochloride (9CI) (CA INDEX NAME)		



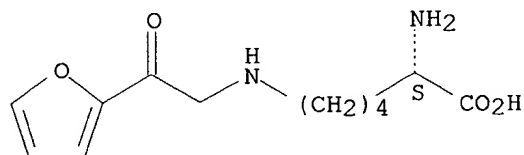
● HCl

L5 ANSWER 179 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1995:655719 CAPLUS  
 DN 123:51394  
 TI Reliable determination of furosine in human serum and dialyzate proteins by high-performance liquid chromatography  
 AU Wu, Yu Ching; Monnier, Vincent; Friedlander, Miriam  
 CS Division of Nephrology, Department of Medicine, Case-Western Reserve University, 11100 Euclid Avenue, Cleveland, OH, 44106-5048, USA  
 SO Journal of Chromatography, B: Biomedical Applications (1995), 667(2), 328-32  
 CODEN: JCBEP; ISSN: 0378-4347  
 PB Elsevier  
 DT Journal  
 LA English

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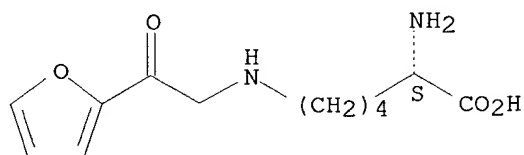
IT 19746-33-9, Furosine  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. of furosine in human serum and dialyzate proteins by HPLC)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 180 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1995:591722 CAPLUS  
DN 122:313296  
TI Furosine as a Freshness Parameter of Shell Eggs  
AU Hidalgo, Alyssa; Rossi, Margherita; Pompei, Carlo  
CS Dipartimento di Scienze e Tecnologie Alimentari e Microbiologiche,  
Universita degli Studi di Milano, Milan, 20133, Italy  
SO Journal of Agricultural and Food Chemistry (1995), 43(6), 1673-7  
CODEN: JAFCAU; ISSN: 0021-8561  
PB American Chemical Society  
DT Journal  
LA English  
IT 19746-33-9, Furosine  
RL: ANT (Analyte); BSU (Biological study, unclassified); MFM (Metabolic  
formation); ANST (Analytical study); BIOL (Biological study); FORM  
(Formation, nonpreparative)  
(furosine as a freshness parameter of shell eggs)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



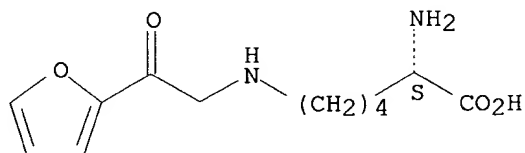
L5 ANSWER 181 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1995:506014 CAPLUS  
DN 123:167911  
TI Fast and sensitive determination of furosine [in food]  
AU Henle, Thomas; Zehetner, Guenther; Klostermeyer, Henning  
CS Tech. Univ. Muenchen, Freising-Weihenstephan, D-85350, Germany  
SO Zeitschrift fuer Lebensmittel-Untersuchung und -Forschung (1995), 200(3),  
235-7  
CODEN: ZLUFAR; ISSN: 0044-3026  
PB Springer  
DT Journal  
LA English



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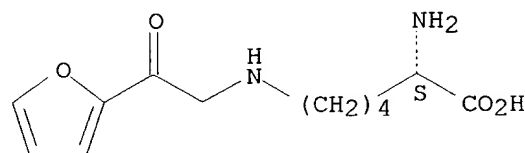
IT 19746-33-9, Furosine  
RL: ANT (Analyte); ANST (Analytical study)  
(fast and sensitive detn. of furosine in food)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 182 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1995:456076 CAPLUS  
DN 122:238011  
TI Isocratic determination of furosine using HPLC  
AU Maroni, Tonino; Lazzari, Paola  
CS Laboratorio Rocchi dott. Eugenio, Bazzano, 40053, Italy  
SO Industrie Alimentari (Pinerolo, Italy) (1994), 33(330), 964-6  
CODEN: INALBB; ISSN: 0019-901X  
PB Chiriotti  
DT Journal  
LA Italian  
IT 19746-33-9, Furosine  
RL: ANT (Analyte); ANST (Analytical study)  
(isocratic detn. of furosine using HPLC)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 183 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1995:185371 CAPLUS  
DN 122:79272  
TI HPLC of furosine for evaluating Maillard reaction damage in skim milk powders during processing and storage  
AU Resmini, P.; Pellegrino, L.  
CS Department Food Science and Technology, University Milan, Italy  
SO Bulletin of the International Dairy Federation (1994), 298, 31-6  
CODEN: BIDFDY; ISSN: 0250-5118  
PB International Dairy Federation  
DT Journal; General Review  
LA English  
IT 19746-33-9, Furosine  
RL: ANT (Analyte); ANST (Analytical study)  
(HPLC of furosine for evaluating Maillard reaction damage in skim milk)

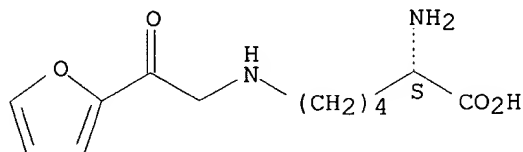
V. Balasubramanian

powders during processing and storage)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 184 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1995:93081 CAPLUS

DN 122:30122

TI Influence of fat content on some heat-induced changes in milk and cream

AU Pellegrino, Luisa

CS Milk Centre National Research Council, State University Milan, Milan, 20133, Italy

SO Netherlands Milk and Dairy Journal (1994), 48(2), 71-80

CODEN: NMDJAX; ISSN: 0028-209X

PB Association for the Advancement of Dairy Science

DT Journal

LA English

IT 19746-33-9, Furosine

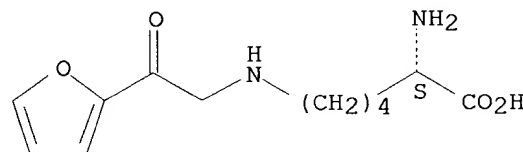
RL: BPR (Biological process); BSU (Biological study, unclassified); FMU (Formation, unclassified); BIOL (Biological study); FORM (Formation, nonpreparative); PROC (Process)

(influence of fat content on some heat-induced changes in milk and cream)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 185 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1994:692291 CAPLUS

DN 121:292291

TI Influence of thiofedrine on platelet aggregation, intraplatelet cyclic AMP and malondialdehyde in rats

AU Qu, Yun-Zhi; Li, Xi-Xian

CS Dep. Pharmacol., Inn. Mong. Med. Coll., Huhehot, Peop. Rep. China

SO Methods and Findings in Experimental and Clinical Pharmacology (1994), 16(4), 253-6

CODEN: MFEPDX; ISSN: 0379-0355

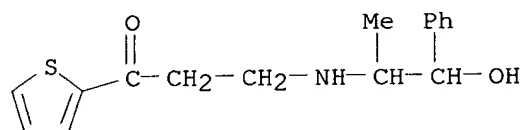
DT Journal

LA English

IT 28745-68-8

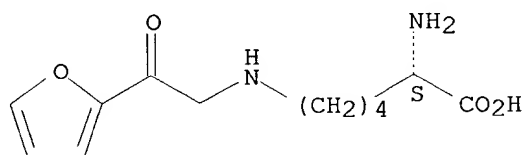
V. Balasubramanian

RL: BIOL (Biological study)  
(platelet aggregation inhibitor)  
RN 28745-68-8 CAPLUS  
CN 1-Propanone, 3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-1-(2-thienyl)-  
(9CI) (CA INDEX NAME)



L5 ANSWER 186 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1994:679329 CAPLUS  
DN 121:279329  
TI Ratio of lactulose to furosine as an indicator of quality of commercial milks  
AU Corzo, Nieves; Delgado, Teresa; Troyano, Esperanza; Olano, Agustin  
CS Instituto de Fermentaciones Industriales, Madrid, 28006, Spain  
SO Journal of Food Protection (1994), 57(8), 737-9  
CODEN: JFPRDR; ISSN: 0362-028X  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(lactulose to furosine ratio in com. milk as indicator of quality)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



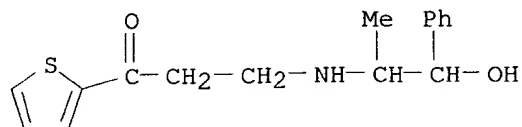
L5 ANSWER 187 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1994:645672 CAPLUS  
DN 121:245672  
TI Effects of thiofedrine on thrombosis in rats  
AU Qu, Yunzhi; Li, Daping; Pan, Jie; Li, Xixian; Zhang, Wenxing  
CS Dep. Pharmacology, Innex Mongolia Med. Coll., Huhhot, 010059, Peop. Rep. China  
SO Zhongguo Yiyao Gongye Zazhi (1994), 25(4), 170-2  
CODEN: ZYGZEA; ISSN: 1001-8255  
DT Journal  
LA Chinese  
IT **28745-68-8, Thiofedrine**  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

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(thiofedrine inhibition of thrombosis in coronary heart disease)

RN 28745-68-8 CAPLUS

CN 1-Propanone, 3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-1-(2-thienyl)-  
(9CI) (CA INDEX NAME)



L5 ANSWER 188 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1994:629115 CAPLUS

DN 121:229115

TI Effects of technological treatments on food: ion-exchange chromatographic determination of pyridosine and furosine in food and dietetic products

AU Carratu, B.; Boniglia, C.; Filesì, C.; Bellomonte, G.

CS Ist. Super. Sanita, Rome, Italy

SO Rivista di Scienza dell'Alimentazione (1993), 22(4), 455-7

CODEN: RSAIE3; ISSN: 1126-9480

DT Journal

LA Italian

IT 19746-33-9, Furosine

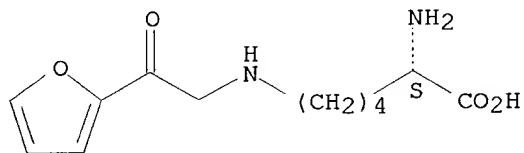
RL: ANT (Analyte); ANST (Analytical study)

(detn. of pyridosine and furosine in food and dietetic products by ion exchange chromatog. in evaluation of thermal damage during manuf.)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 189 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1994:603834 CAPLUS

DN 121:203834

TI Occurrence of protein-bound lysylpyrrolaldehyde in dried pasta

AU Resmini, P.; Pellegrino, L.

CS Dep. Food Sci. Technol., State Univ. Milan, Milan, 20133, Italy

SO Cereal Chemistry (1994), 71(3), 254-62

CODEN: CECHAF; ISSN: 0009-0352

DT Journal

LA English

IT 19746-33-9, Furosine

RL: FMU (Formation, unclassified); FORM (Formation, nonpreparative)

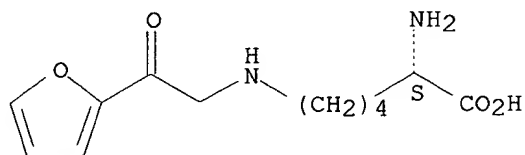
(Maillard reaction product, in pasta, drying temp. effect on, lysine bioavailability in relation to)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

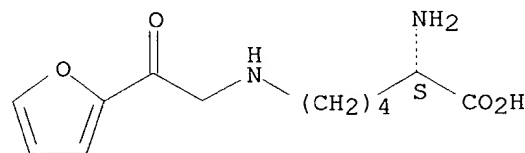
V. Balasubramanian

Absolute stereochemistry.



L5 ANSWER 190 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1994:603764 CAPLUS  
DN 121:203764  
TI Changes in furosine and proteins of UHT-treated milks stored at high  
ambient temperatures  
AU Corzo, Nieves; Lopez-Fandino, Rosiña; Delgado, Teresa; Ramos, Mercedes;  
Olano, Agustin  
CS Inst. Ferment. Ind., Madrid, E-28006, Spain  
SO Zeitschrift fuer Lebensmittel-Untersuchung und -Forschung (1994), 198(4),  
302-6  
CODEN: ZLUFAR; ISSN: 0044-3026  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL  
(Biological study); PROC (Process)  
(Changes in furosine and proteins of UHT-treated milks stored at high  
ambient temps.)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

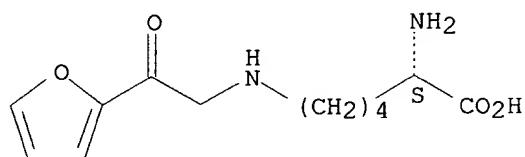


L5 ANSWER 191 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1994:603660 CAPLUS  
DN 121:203660  
TI A simple method for the preparation of furosine and pyridosine reference  
material  
AU Henle, Thomas; Walter, Axel W.; Klostermeyer, Henning  
CS Tech. Univ. Muenchen, Freising, D-85350, Germany  
SO Zeitschrift fuer Lebensmittel-Untersuchung und -Forschung (1994), 198(1),  
66-7  
CODEN: ZLUFAR; ISSN: 0044-3026  
DT Journal  
LA English  
IT **19746-33-9P 157974-36-2P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of furosine and pyridosine ref. material)  
RN 19746-33-9 CAPLUS

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CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

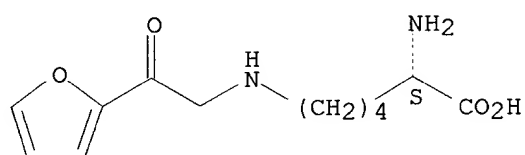
Absolute stereochemistry.



RN 157974-36-2 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● 2 HCl

L5 ANSWER 192 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1994:574280 CAPLUS

DN 121:174280

TI Degradation of furosine during heptafluorobutyric anhydride-derivatization for gas chromatographic determination

AU Ruttkat, A.; Erbersdobler, H. F.

CS Institut fuer Humanernaehrung und Lebensmittelkunde der Christian-Albrechts-Universitaet zu Kiel, Duesternbrooker Weg 17, Kiel, 24105, Germany

SO Journal of Chromatography, A (1994), 678(1), 103-7  
CODEN: JCRAEY; ISSN: 0021-9673

DT Journal

LA English

IT 19746-33-9, Furosine

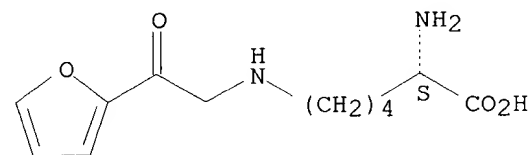
RL: ANT (Analyte); ANST (Analytical study)

(degrdn. of furosine during heptafluorobutyric anhydride-derivatization for gas chromatog. detn.)

RN 19746-33-9 CAPLUS

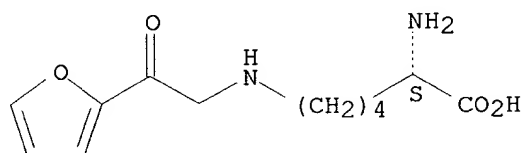
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 193 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1994:433616 CAPLUS  
 DN 121:33616  
 TI Evaluation of the extent of the Maillard reaction for the quality control  
 of low-heat-treated dairy products  
 AU Resmini, P.; Pellegrino, L.; Masotti, F.  
 CS Dep. Food Sci. and Technol., Univ. Milan, Italy  
 SO International Dairy Federation [Special Issue] S.I. (1993), Volume Date  
 1992, 9303 (Protein & Fat Globule Modifications by Heat Treatment,  
 Homogenization & Other Technological Means for High Quality Dairy  
 Products), 153-64  
 CODEN: IDFSEO; ISSN: 1025-8515  
 DT Journal  
 LA English  
 IT **19746-33-9**, Furosine  
 RL: BIOL (Biological study)  
 (evaluation of heat-treated dairy products by)  
 RN 19746-33-9 CAPLUS  
 CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

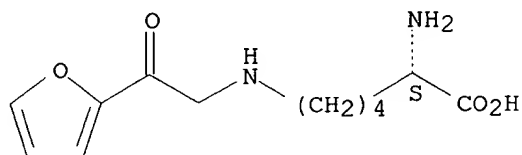


L5 ANSWER 194 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1994:426908 CAPLUS  
 DN 121:26908  
 TI Preparation of ascochlorin derivatives as glycation inhibitors  
 IN Hosokawa, Tomoyoshi  
 PA Immuno Japan Inc., Japan  
 SO PCT Int. Appl., 26 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

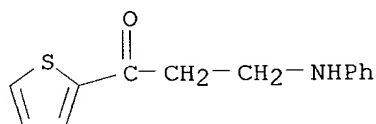
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9405274	A1	19940317	WO 1993-JP1249	19930903
	W: CA, KR, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	JP 06305959	A2	19941101	JP 1992-242051	19920910
	JP 08016057	B4	19960221		
PRAI	JP 1992-242051		19920910		
OS	MARPAT 121:26908				
IT	<b>19746-33-9</b> , Furosine				
	RL: FORM (Formation, nonpreparative) (formation of, inhibitors, glycation-inhibitory ascochlorin and derivs.)				
RN	19746-33-9 CAPLUS				
CN	L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)				

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Absolute stereochemistry.



L5 ANSWER 195 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1994:298433 CAPLUS  
DN 120:298433  
TI Synthesis and properties of some ketazines  
AU Cekuoliene, L.; Drungilaite, V.  
CS Inst. Biokhim., Vilnius, Lithuania  
SO Chemija (1993), Volume Date 1992, (3), 101-7  
CODEN: CHMJES; ISSN: 0235-7216  
DT Journal  
LA Russian  
IT **21280-44-4**  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(condensation reaction of, with hydrazine)  
RN 21280-44-4 CAPLUS  
CN 1-Propanone, 3-(phenylamino)-1-(2-thienyl)- (9CI) (CA INDEX NAME)

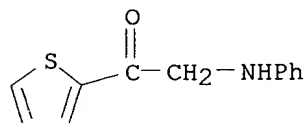


L5 ANSWER 196 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1994:270238 CAPLUS  
DN 120:270238  
TI Hypervalent iodine mediated syntheses of heterocycles: one-pot facile syntheses of 1,4-diaryl-2-mercaptoimidazoles, 2-(.alpha.-anilinoacetyl)thiophenes and 1-aryl-2-mercapto-4-(2-thienyl)imidazoles from aryl/2-thienyl methyl ketones  
AU Prakash, Om; Ranjana; Saini, Neena; Goyal, Seema; Tomar, Rajesh K.; Singh, Shiv P.  
CS Dep. Chem., Kurukshetra Univ., Kurukshetra, 132 119, India  
SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1994), 33B(2), 116-19  
CODEN: IJSBDB; ISSN: 0376-4699  
DT Journal  
LA English  
OS CASREACT 120:270238  
IT **91568-99-9P 154548-74-0P 154548-75-1P**  
**154548-76-2P 154548-77-3P 154548-78-4P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. and cyclization of, with potassium thiocyanate)  
RN 91568-99-9 CAPLUS



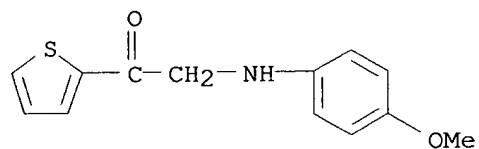
V. Balasubramanian

CN Ethanone, 2-(phenylamino)-1-(2-thienyl)- (9CI) (CA INDEX NAME)



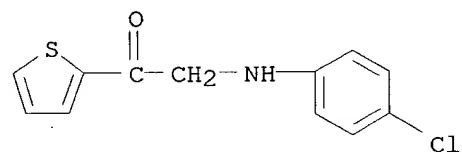
RN 154548-74-0 CAPLUS

CN Ethanone, 2-[(4-methoxyphenyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



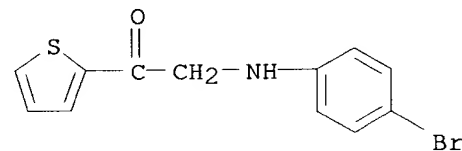
RN 154548-75-1 CAPLUS

CN Ethanone, 2-[(4-chlorophenyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



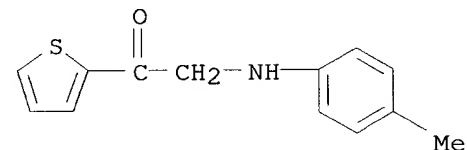
RN 154548-76-2 CAPLUS

CN Ethanone, 2-[(4-bromophenyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



RN 154548-77-3 CAPLUS

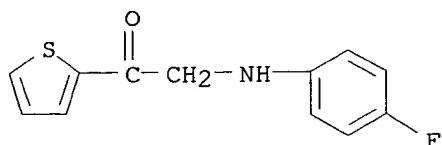
CN Ethanone, 2-[(4-methylphenyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



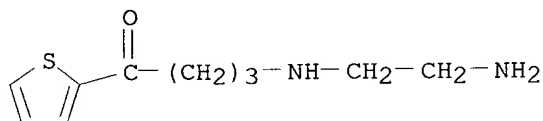
RN 154548-78-4 CAPLUS

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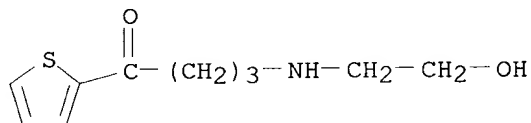
CN Ethanone, 2-[(4-fluorophenyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 197 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1994:45187 CAPLUS  
DN 120:45187  
TI Correlation of the structure of novel mono- and diamine derivatives with their effect on drug metabolizing enzymes  
AU Andreadou, I.; Rekka, E.; Hadjipavlou-Litina, D.; Kourounakis, P. N.  
CS Sch. Pharm., Univ. Thessaloniki, Thessaloniki, 540 06, Greece  
SO Medicinal Chemistry Research (1993), 3(4), 233-9  
CODEN: MCREEB; ISSN: 1054-2523  
DT Journal  
LA English  
IT **134257-65-1P 141809-39-4P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. and drug metabolizing enzymes response to, structure in relation to)  
RN 134257-65-1 CAPLUS  
CN 1-Butanone, 4-[(2-aminoethyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



RN 141809-39-4 CAPLUS  
CN 1-Butanone, 4-[(2-hydroxyethyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)

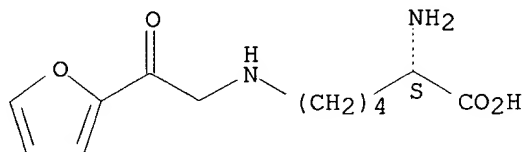


L5 ANSWER 198 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1993:537869 CAPLUS  
DN 119:137869  
TI Assessment of quality of commercial UHT milks by chromatographic and electrophoretic methods  
AU Lopez-Fandino, Rosina; Corzo, Nieves; Villamiel, Mar; Delgado, Teresa; Olando, Agustin; Ramos, Mercedes  
CS Inst. Ferment. Ind., Madrid, 28006, Spain

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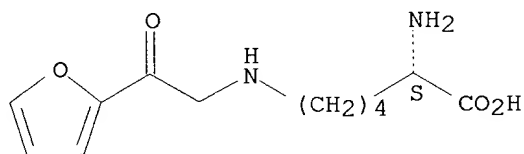
SO Journal of Food Protection (1993), 56(3), 263-4, 269  
CODEN: JFPRDR; ISSN: 0362-028X  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: BIOL (Biological study)  
(in ultra-high temp.-treated milk, proteolysis levels in relation to)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 199 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1993:253537 CAPLUS  
DN 118:253537  
TI Stability of furosine during ion-exchange chromatography in comparison with reversed-phase high-performance liquid chromatography  
AU Hartkopf, J.; Erbersdobler, H. F.  
CS Institut fuer Humanernaehrung und Lebensmittelkunde der Christian-Albrechts-Universitaet zu Kiel, Duesternbrooker Weg 17, Kiel, 2300, Germany  
SO Journal of Chromatography (1993), 635(1), 151-4  
CODEN: JOCRAM; ISSN: 0021-9673  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: PRP (Properties)  
(stability of, during detn. by ion-exchange chromatog. or reversed-phase high performance liq. chromatog.)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 200 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1993:58282 CAPLUS  
DN 118:58282  
TI Detection of reconstituted milk powder in raw and in pasteurized milk by HPLC of furosine  
AU Resmini, P.; Pellegrino, L.; Masotti, F.; Tirelli, A.; Prati, F.  
CS Dip. Sci. Technol. Aliment. Microbiol., Univ. Milano, Milan, Italy  
SO Scienza e Tecnica Lattiero-Casearia (1992), 43(3), 169-86

V. Balasubramanian

CODEN: SLCAAF; ISSN: 0390-6361

DT Journal

LA Italian

IT 19746-33-9, Furosine

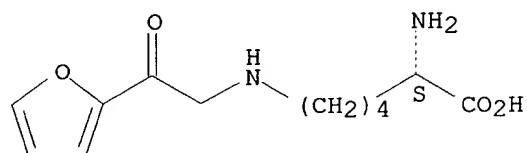
RL: ANT (Analyte); ANST (Analytical study)

(detn. of, in milk by HPLC, reconstituted milk powder detection by)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 201 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1992:549597 CAPLUS

DN 117:149597

TI Efficient determination of individual Maillard compounds in heat-treated milk products by amino acid analysis

AU Henle, Thomas; Walter, Heike; Krause, Ingolf; Klostermeyer, Henning

CS Sueddtisch. Vers. Forschungsanst. Milchwirtsch., Tech. Univ. Muenchen, Freising, Germany

SO International Dairy Journal (1991), 1(2), 125-35

CODEN: IDAJE6; ISSN: 0958-6946

DT Journal

LA English

IT 19746-33-9, Furosine

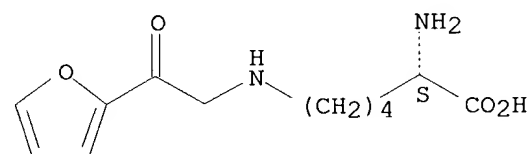
RL: ANT (Analyte); ANST (Analytical study)

(detn. of, in heat-treated milk by ion-exchange chromatog.)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 202 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1992:503579 CAPLUS

DN 117:103579

TI Antioxidant and free radical scavenging activity of some mono- or diamines synthesized as potential antiinflammatory agents, in relation to their structure

AU Andreadou, Ioanna; Rekka, Eleni; Hadjipavlou-Litina, Dimitra; Kourounakis, Panos N.

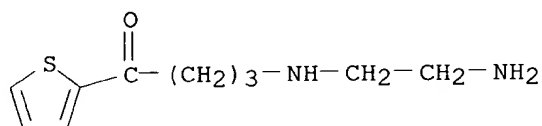
CS Sch. Pharm., Univ. Thessaloniki, Thessaloniki, 540 06, Greece

SO Journal of Biopharmaceutical Sciences (1991), 2(4), 291-304

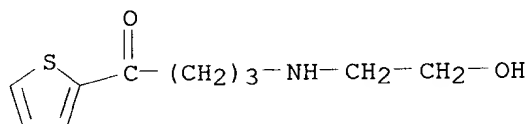
CODEN: JBISE2; ISSN: 0957-7548

V. Balasubramanian

DT Journal  
LA English  
IT **134257-65-1 141809-39-4**  
RL: BIOL (Biological study)  
(antioxidant and free radical-scavenging activity of, as inflammation  
inhibitor, structure in relation to)  
RN 134257-65-1 CAPLUS  
CN 1-Butanone, 4-[(2-aminoethyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)

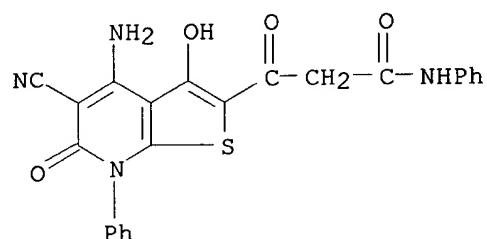


RN 141809-39-4 CAPLUS  
CN 1-Butanone, 4-[(2-hydroxyethyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)

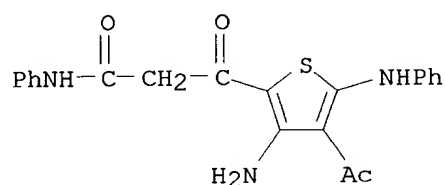


L5 ANSWER 203 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1992:469755 CAPLUS  
DN 117:69755  
TI Phenyl isothiocyanate in heterocyclic synthesis: novel synthesis of  
thiazoles, thieno[2,3-b]pyridine, thiophene and thieno[3,2-c]pyridazine  
derivatives  
AU Mohareb, Rafat Milad  
CS Fac. Sci., Cairo Univ., Giza, Egypt  
SO Monatshefte fuer Chemie (1992), 123(4), 341-7  
CODEN: MOCMB7; ISSN: 0026-9247  
DT Journal  
LA English  
OS CASREACT 117:69755  
IT **142168-51-2P 142168-60-3P**  
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(prepn. and spectra of)  
RN 142168-51-2 CAPLUS  
CN Thieno[2,3-b]pyridine-2-propanamide, 4-amino-5-cyano-6,7-dihydro-3-hydroxy-  
.beta.,6-dioxo-N,7-diphenyl- (9CI) (CA INDEX NAME)

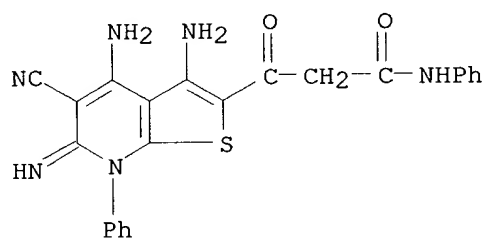
V. Balasubramanian



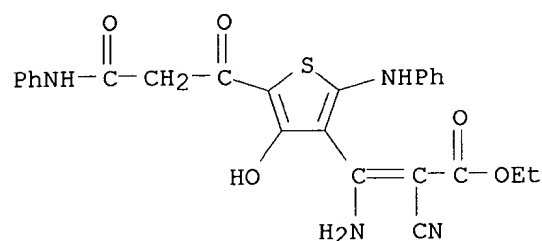
RN 142168-60-3 CAPLUS  
CN 2-Thiophenepropanamide, 4-acetyl-3-amino-.beta.-oxo-N-phenyl-5-(phenylamino)- (9CI) (CA INDEX NAME)



IT **142168-57-8P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn., spectra and cyclization of)  
RN 142168-57-8 CAPLUS  
CN Thieno[2,3-b]pyridine-2-propanamide, 3,4-diamino-5-cyano-6,7-dihydro-6-imino-.beta.-oxo-N,7-diphenyl- (9CI) (CA INDEX NAME)

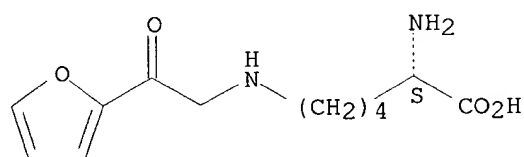


IT **142168-50-1P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn., spectra and reactions of)  
RN 142168-50-1 CAPLUS  
CN 2-Propenoic acid, 3-amino-2-cyano-3-[5-[1,3-dioxo-3-(phenylamino)propyl]-4-hydroxy-2-(phenylamino)-3-thienyl]-, ethyl ester (9CI) (CA INDEX NAME)



L5 ANSWER 204 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1992:424857 CAPLUS  
 DN 117:24857  
 TI Efficient determination of individual Maillard compounds in heat-treated milk products by amino acid analysis  
 AU Henle, Thomas; Walter, Heike; Krause, Ingolf; Klostermeyer, Henning  
 CS Tech. Univ. Muenchen, Freising, Germany  
 SO International Dairy Journal (1991), 1(2), 125-35  
 CODEN: IDAJE6; ISSN: 0958-6946  
 DT Journal  
 LA English  
 IT **19746-33-9**, Furosine  
 RL: ANT (Analyte); ANST (Analytical study)  
 (detn. of, in heat-treated milk by ion-exchange chromatog.)  
 RN 19746-33-9 CAPLUS  
 CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

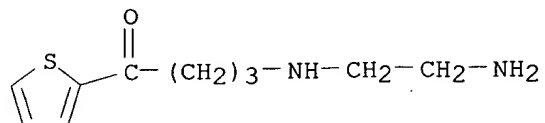
Absolute stereochemistry.



L5 ANSWER 205 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1992:407601 CAPLUS  
 DN 117:7601  
 TI Ionization constants, lipophilicity and biological studies of some novel aryl(amino or hydroxy)ethylamino ketones with anti-inflammatory activity  
 AU Hadjipavlou-Litina, D.; Rekka, E.; Hadjipetrou-Kourounakis, L.; Kourounakis, P. N.  
 CS Sch. Pharm., Univ. Thessaloniki, Thessaloniki, 540 06, Greece  
 SO European Journal of Medicinal Chemistry (1992), 27(1), 1-6  
 CODEN: EJMCA5; ISSN: 0223-5234  
 DT Journal  
 LA English  
 IT **134257-65-1P 141809-39-4P 141809-40-7P 141809-42-9P 141948-36-9P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn., ionization const., lipophilicity, and antiinflammatory activity of)  
 RN 134257-65-1 CAPLUS

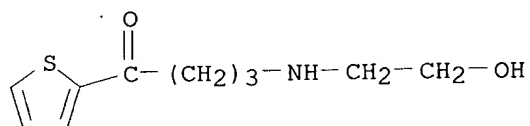
V. Balasubramanian

CN 1-Butanone, 4-[(2-aminoethyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



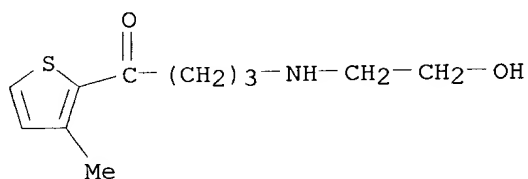
RN 141809-39-4 CAPLUS

CN 1-Butanone, 4-[(2-hydroxyethyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



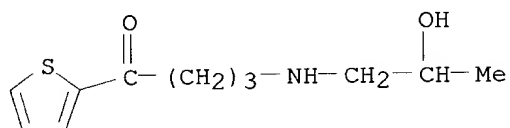
RN 141809-40-7 CAPLUS

CN 1-Butanone, 4-[(2-hydroxyethyl)amino]-1-(3-methyl-2-thienyl)- (9CI) (CA INDEX NAME)



RN 141809-42-9 CAPLUS

CN 1-Butanone, 4-[(2-hydroxypropyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



RN 141948-36-9 CAPLUS

CN 1-Butanone, 4-[(2-hydroxypropyl)amino]-1-(2-thienyl)-, perchlorate (salt) (9CI) (CA INDEX NAME)

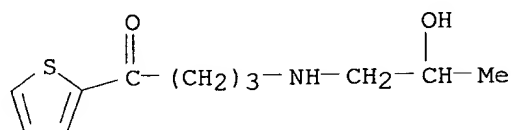
CM 1

CRN 141809-42-9

CMF C11 H17 N O2 S



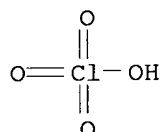
V. Balasubramanian



CM 2

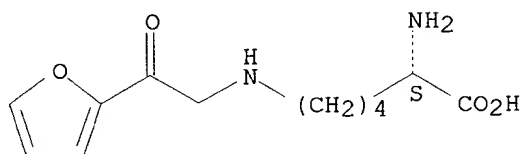
CRN 7601-90-3

CMF Cl H O4



L5 ANSWER 206 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1992:406316 CAPLUS  
DN 117:6316  
TI Determination of furosine in milk samples by ion-pair reversed phase liquid chromatography  
AU Delgado, T.; Corzo, N.; Santa-Maria, G.; Jimeno, M. L.; Olano, A.  
CS Inst. Ferment. Ind., Madrid, 28006, Spain  
SO Chromatographia (1992), 33(7-8), 374-6  
CODEN: CHRGB7; ISSN: 0009-5893  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. of, in milk by HPLC)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 207 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1992:51606 CAPLUS  
DN 116:51606  
TI Pharmaceutical compositions and methods using quinoline and oxophenoxazine derivatives for inhibition of Maillard's reaction  
IN Inoue, Jun  
PA Senju Pharmaceutical Co., Ltd., Japan  
SO Can. Pat. Appl., 30 pp.

09/817,374

V. Balasubramanian

CODEN: CPXXEB

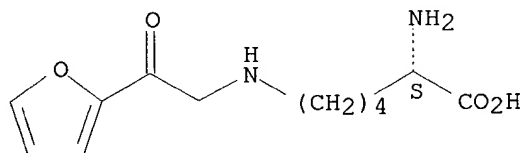
DT Patent

LA English

FAN.CNT 1

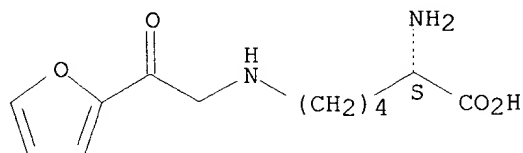
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CA 2029421	AA	19910521	CA 1990-2029421	19901107
	JP 03161441	A2	19910711	JP 1989-301413	19891120
	EP 433679	A2	19910626	EP 1990-122096	19901119
	EP 433679	A3	19920304		
	EP 433679	B1	19970502		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	AT 152352	E	19970515	AT 1990-122096	19901119
	ES 2100861	T3	19970701	ES 1990-122096	19901119
PRAI	JP 1989-301413		19891120		
OS	MARPAT 116:51606				
IT	<b>19746-33-9, Furosine</b>				
	RL: FORM (Formation, nonpreparative)				
	(formation of, inhibition of, by Maillard's reaction, quinoline and oxophenoxazine derivs. for)				
RN	19746-33-9 CAPLUS				
CN	L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



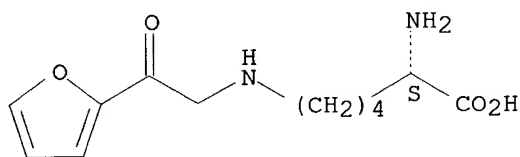
L5 ANSWER 208 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1991:654633 CAPLUS  
DN 115:254633  
TI Protein damage in UHT milk  
AU Dehn-Mueller, Barutha; Mueller, Barbara; Erbersdobler, H. F.  
CS Inst. Humanernaehrung Lebensmittelkd., Univ. Kiel, Kiel, D-2300/1, Germany  
SO Milchwissenschaft (1991), 46(7), 431-4  
CODEN: MILCAD; ISSN: 0026-3788  
DT Journal  
LA German  
IT **19746-33-9, Furosine**  
RL: BIOL (Biological study)  
(of ultrahigh-temp.-treated milk, heat-induced protein degrdn. in relation to)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



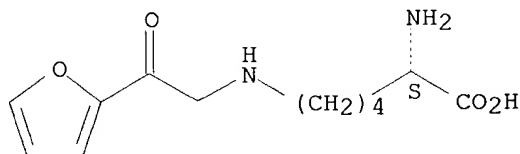
L5 ANSWER 209 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1991:654513 CAPLUS  
DN 115:254513  
TI Determination of lysine damage and calculation of lysine bioavailability  
in several processed foods  
AU Erbersdobler, H. F.; Hupe, A.  
CS Inst. Humanernaehr. Lebensmittelkd., Christian-Albrechts-Univ., Kiel,  
2300/1, Germany  
SO Zeitschrift fuer Ernaehrungswissenschaft (1991), 30(1), 46-9  
CODEN: ZERNAL; ISSN: 0044-264X  
DT Journal  
LA English  
IT 19746-33-9, Furosine  
RL: FORM (Formation, nonpreparative)  
(formation of, in food thermal processing, lysine damage in relation  
to)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 210 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1991:630604 CAPLUS  
DN 115:230604  
TI Furosine: a good indicator of the early stages of the Maillard reaction  
AU Corzo, N.; Delgado, T.  
CS Inst. Ferment. Ind., CSIC, Spain  
SO Alimentacion, Equipos y Tecnologia (1991), 10(6), 73-7  
CODEN: AEQTDY; ISSN: 0212-1689  
DT Journal; General Review  
LA Spanish  
IT 19746-33-9, Furosine  
RL: BIOL (Biological study)  
(of food, Maillard reaction in relation to)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

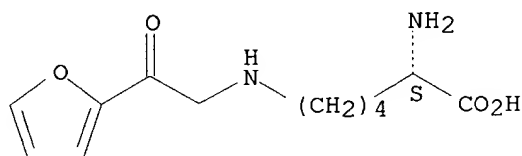


L5 ANSWER 211 OF 409 CAPLUS COPYRIGHT 2003 ACS

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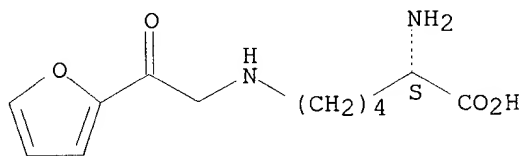
AN 1991:602322 CAPLUS  
DN 115:202322  
TI The effect of glutathione (reduced form) on quantitation by HPLC (high performance liquid chromatography) of fructose-lysine  
AU Tanaka, Kazuko; Hiroi, Tetsuya  
CS Kanagawa Kenritsu Coll. Nurs. Med. Technol., Japan  
SO Kanagawa-kenritsu Eisei Tanki Daigaku Kiyo (1990), 23, 22-6  
CODEN: KETKEV; ISSN: 0388-6042  
DT Journal  
LA Japanese  
IT **19746-33-9, Furosine**  
RL: ANT (Analyte); ANST (Analytical study)  
(anal. of, in human serum albumin hydrolyzates by HPLC, effect of glutathione on)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 212 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1991:554150 CAPLUS  
DN 115:154150  
TI Determination of furosine in biomedical samples employing an improved hydrolysis and high-performance liquid chromatographic technique  
AU Cefalu, William T.; Bell-Farrow, Audrey; Wang, Zhong Q.; Ralapati, Suresh  
CS Bowman Gray Sch. Med., Wake Forest Univ., Winston-Salem, NC, USA  
SO Carbohydrate Research (1991), 215(1), 117-25  
CODEN: CRBRAT; ISSN: 0008-6215  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. of, of biomedical samples by improved hydrolysis and HPLC method)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

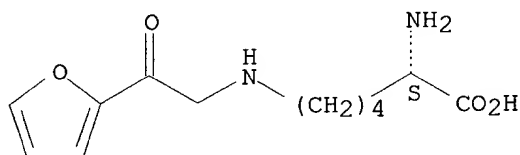


L5 ANSWER 213 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1991:534350 CAPLUS  
DN 115:134350

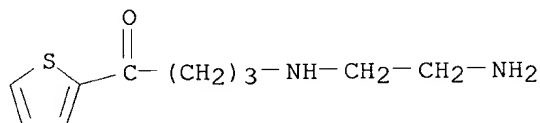
V. Balasubramanian

TI Model experiments on the formation of N-epsilon.-carboxymethyllysine (CML) in foods  
AU Luedemann, G.; Erbersdobler, H. F.  
CS Inst. Humanernaehrung Lebensmittelkd., Christian-Albrechts-Univ., Kiel, 2300/1, Germany  
SO Maillard React. Food Process., Hum. Nutr. Physiol., [Proc. Int. Symp. Maillard React.], 4th (1990), Meeting Date 1989, 91-6. Editor(s): Finot, Pierre Andre. Publisher: Birkhaeuser, Basel, Switz.  
CODEN: 56XMAK  
DT Conference  
LA English  
IT **19746-33-9**, Furosine  
RL: BIOL (Biological study)  
(of cooked foods, Maillard reaction and carboxymethyllysine formation in relation to)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 214 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1991:441570 CAPLUS  
DN 115:41570  
TI Anti-inflammatory and immunomodulating effects of the novel agent .gamma.-(2-aminoethylamino)-2-butyrothienone. 3rd Communication: Effect on suppressor cells and cytokine production in normal and adjuvant arthritic rats  
AU Karagouni, E. E.; Kourounakis, L.  
CS Fac. Sci., Aristotelian Univ., Thessaloniki, 54006, Greece  
SO Arzneimittel-Forschung (1991), 41(6), 647-51  
CODEN: ARZNAD; ISSN: 0004-4172  
DT Journal  
LA English  
IT **134257-65-1**  
RL: PRP (Properties)  
(anti-inflammatory and immunomodulatory effects of, lymphocyte and interleukins response to, in adjuvant arthritis)  
RN 134257-65-1 CAPLUS  
CN 1-Butanone, 4-[(2-aminoethyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)

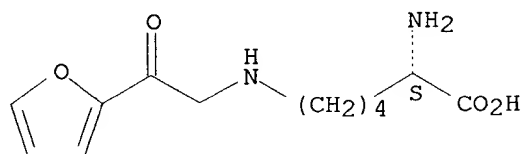


L5 ANSWER 215 OF 409 CAPLUS COPYRIGHT 2003 ACS

V. Balasubramanian

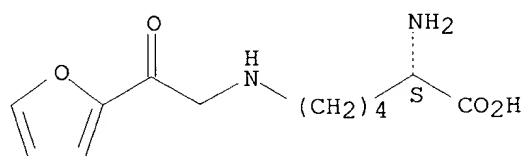
AN 1991:427916 CAPLUS  
DN 115:27916  
TI Reference diagram for furosine content in UHT milk  
AU Nangpal, A.; Reuter, H.  
CS Inst. Verfahrenstech., Bundesanst. Milchforsch., Kiel, Germany  
SO Kieler Milchwirtschaftliche Forschungsberichte (1990), 42(1), 77-86  
CODEN: KMWFAF; ISSN: 0023-1347  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: FORM (Formation, nonpreparative)  
(formation of, in milk ultra-high temp. treatment and storage,  
prediction of)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 216 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1991:427914 CAPLUS  
DN 115:27914  
TI Reaction kinetics of lactulose and furosine formation - influence of  
dilution of milk during direct UHT treatment  
AU Nangpal, A.; Reuter, H.; Kiesner, C.  
CS Inst. Verfahrenstech., Bundesanst. Milchforsch., Kiel, Germany  
SO Kieler Milchwirtschaftliche Forschungsberichte (1990), 42(1), 53-64  
CODEN: KMWFAF; ISSN: 0023-1347  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: FORM (Formation, nonpreparative)  
(formation of, in milk ultra-high temp. treatment, kinetics of)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

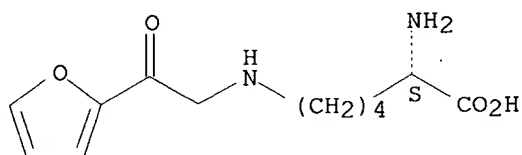


L5 ANSWER 217 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1991:427913 CAPLUS  
DN 115:27913  
TI Formation of furosine during UHT treatment of milk - comparison between  
direct and indirect heating

V. Balasubramanian

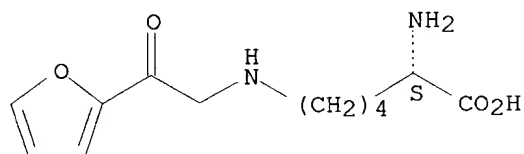
AU Nangpal, A.; Reuter, H.; Dehn-Mueller, B.; Erbersdobler, H. F.  
CS Inst. Verfahrenstech., Bundesanst. Milchforsch., Kiel, Germany  
SO Kieler Milchwirtschaftliche Forschungsberichte (1990), 42(1), 43-51  
CODEN: KMWFAP; ISSN: 0023-1347  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: FORM (Formation, nonpreparative)  
(formation of, in milk ultra-high temp. treatment, kinetics of)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 218 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1991:427866 CAPLUS  
DN 115:27866  
TI Inhibition of the protein crosslinking in a Maillard reaction by  
aminoguanidine and semicarbazide  
AU Hayase, Fumitaka; Kim, Yong Hee; Kato, Hiromichi  
CS Dep. Agric. Chem., Univ. Tokyo, Tokyo, 113, Japan  
SO Agricultural and Biological Chemistry (1991), 55(5), 1435-6  
CODEN: ABCHA6; ISSN: 0002-1369  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: BIOL (Biological study)  
(in lysozyme-reducing sugar Maillard reaction, aminoguanidine and  
semicarbazide effect on)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

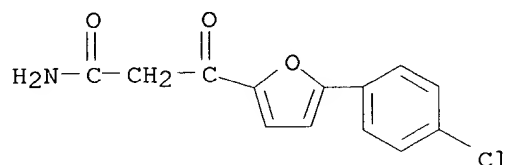


L5 ANSWER 219 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1991:422253 CAPLUS  
DN 115:22253  
TI 5-Phenyl-2-furan ketones as antiepileptic agents  
IN Pelosi, Stanford Salvatore, Jr.  
PA Norwich Eaton Pharmaceuticals, Inc., USA  
SO Eur. Pat. Appl., 11 pp.  
CODEN: EPXXDW

V. Balasubramanian

DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 404232	A1	19901227	EP 1990-201539	19900614
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	US 5091426	A	19920225	US 1989-371354	19890623
	CA 2018980	AA	19901223	CA 1990-2018980	19900614
	AU 9057766	A1	19910103	AU 1990-57766	19900622
	AU 629651	B2	19921008		
	JP 03095172	A2	19910419	JP 1990-166550	19900625
PRAI	US 1989-371354		19890623		
OS	MARPAT 115:22253				
IT	<b>134448-36-5P</b>				
	RL: SPN (Synthetic preparation); PREP (Preparation)				
	(prepn. of, as antiepileptic)				
RN	134448-36-5 CAPLUS				
CN	2-Furanpropanamide, 5-(4-chlorophenyl)-.beta.-oxo- (9CI) (CA INDEX NAME)				



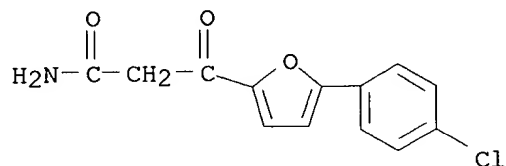
L5 ANSWER 220 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1991:422252 CAPLUS  
DN 115:22252  
TI 5-Phenyl-2-furan esters, amides and ketones as neuroprotective agents  
IN Drust, Eugene George  
PA Norwich Eaton Pharmaceuticals, Inc., USA  
SO Eur. Pat. Appl., 18 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 404233	A2	19901227	EP 1990-201540	19900614
	EP 404233	A3	19920108		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	US 5118708	A	19920602	US 1989-371351	19890623
	CA 2018981	AA	19901223	CA 1990-2018981	19900614
	AU 9057768	A1	19910103	AU 1990-57768	19900622
	AU 634244	B2	19930218		
	JP 03215479	A2	19910920	JP 1990-166551	19900625
	US 5214042	A	19930525	US 1992-855361	19920318
PRAI	US 1989-371351		19890623		
OS	MARPAT 115:22252				
IT	<b>134448-36-5P</b>				
	RL: SPN (Synthetic preparation); PREP (Preparation)				
	(prepn. of, for neuroprotective agent)				
RN	134448-36-5 CAPLUS				

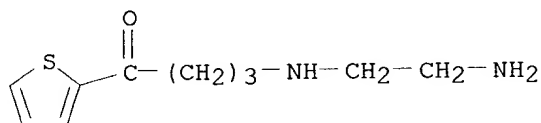


V. Balasubramanian

CN 2-Furanpropanamide, 5-(4-chlorophenyl)-.beta.-oxo- (9CI) (CA INDEX NAME)



L5 ANSWER 221 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1991:400410 CAPLUS  
DN 115:410  
TI Anti-inflammatory and immunomodulating effects of the novel agent  
.gamma.-(2-aminoethylamino)-2-butyrothienone. 1st Communication:  
inhibitory effects on mouse paw edema  
AU Gavalas, A.; Kourounakis, L.; Litina, D.; Kourounakis, P.  
CS Fac. Sci., Aristotelian Univ., Thessaloniki, 54006, Greece  
SO Arzneimittel-Forschung (1991), 41(4), 423-6  
CODEN: ARZNAD; ISSN: 0004-4172  
DT Journal  
LA English  
IT **134257-65-1**  
RL: PRP (Properties)  
(anti-inflammatory effects of, mechanism of)  
RN 134257-65-1 CAPLUS  
CN 1-Butanone, 4-[(2-aminoethyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



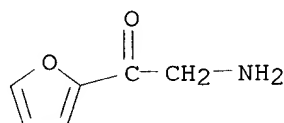
L5 ANSWER 222 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1991:228892 CAPLUS  
DN 114:228892  
TI Preparation of oxazoles as medical bactericides  
IN O'Hanlon, Peter John; Walker, Graham  
PA Beecham Group PLC, UK  
SO Eur. Pat. Appl., 50 pp.  
CODEN: EPXXDW

DT Patent  
LA English

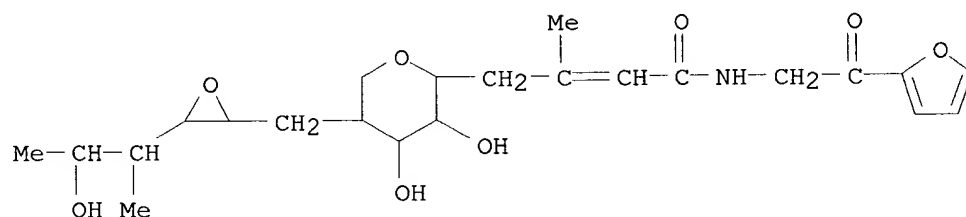
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	EP 399645	A2	19901128	EP 1990-303850	19900410
	EP 399645	A3	19910821		
	EP 399645	B1	19941109		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	CA 2014263	AA	19901012	CA 1990-2014263	19900410
	NO 9001630	A	19901015	NO 1990-1630	19900410

AU	9053100	A1	19901018	AU	1990-53100	19900410
AU	623242	B2	19920507			
ZA	9002738	A	19910731	ZA	1990-2738	19900410
HU	58327	A2	19920228	HU	1990-2138	19900410
ES	2064619	T3	19950201	ES	1990-303850	19900410
JP	02292284	A2	19901203	JP	1990-94170	19900411
CN	1046332	A	19901024	CN	1990-102095	19900412
PRAI	GB 1989-8284		19890412			
	GB 1989-8285		19890412			
OS	MARPAT 114:228892					
IT	<b>88352-86-7P 133674-51-8P 133674-53-0P</b>					
	<b>133674-56-3P 133674-57-4P 133674-60-9P</b>					
	<b>133674-61-0P 133674-69-8P 133674-73-4P</b>					
	<b>133674-84-7P 133674-85-8P</b>					
	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)					
	(prepn. and reaction of, in prepn. of medical bactericide)					
RN	88352-86-7	CAPLUS				
CN	Ethanone, 2-amino-1-(2-furanyl)-, hydrochloride (9CI) (CA INDEX NAME)					

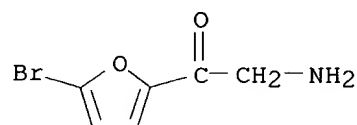


RN 133674-51-8 CAPLUS  
CN L-talo-Non-2-enonamide, 5,9-anhydro-2,3,4,8-tetradexy-N-[2-(2-furanyl)-2-oxoethyl]-8-[[3-(2-hydroxy-1-methylpropyl)oxiranyl]methyl]-3-methyl-, [2E,8[2S,3S(1S,2S)]]- (9CI) (CA INDEX NAME)



09/817,374

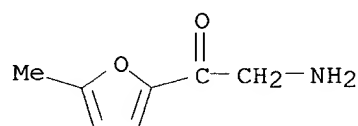
V. Balasubramanian



● HCl

RN 133674-56-3 CAPLUS

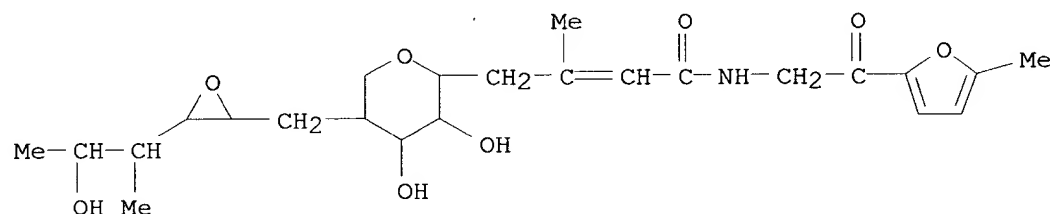
CN Ethanone, 2-amino-1-(5-methyl-2-furanyl)-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 133674-57-4 CAPLUS

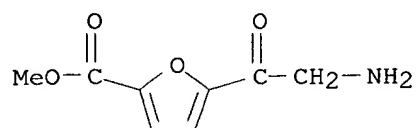
CN L-talo-Non-2-enonamide, 5,9-anhydro-2,3,4,8-tetradecoxy-8-[[3-(2-hydroxy-1-methylpropyl)oxiranyl]methyl]-3-methyl-N-[2-(5-methyl-2-furanyl)-2-oxoethyl]-, [2E,8[2S,3S(1S,2S)]]- (9CI) (CA INDEX NAME)



RN 133674-60-9 CAPLUS

CN 2-Furancarboxylic acid, 5-(aminoacetyl)-, methyl ester, hydrochloride (9CI) (CA INDEX NAME)

V. Balasubramanian

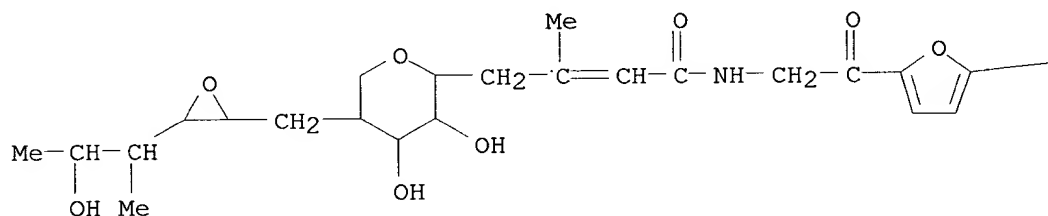


● HCl

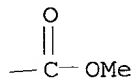
RN 133674-61-0 CAPLUS

CN 2-Furancarboxylic acid, 5-[[[(2E)-5,9-anhydro-2,3,4,8-tetradecoxy-8-[[ (2S,3S)-3-[(1S,2S)-2-hydroxy-1-methylpropyl]oxiranyl]methyl]-3-methyl-L-talo-non-2-enonoyl]amino]acetyl]-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

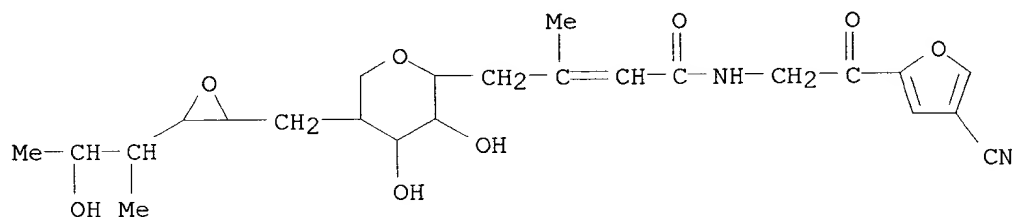


PAGE 1-B



RN 133674-69-8 CAPLUS

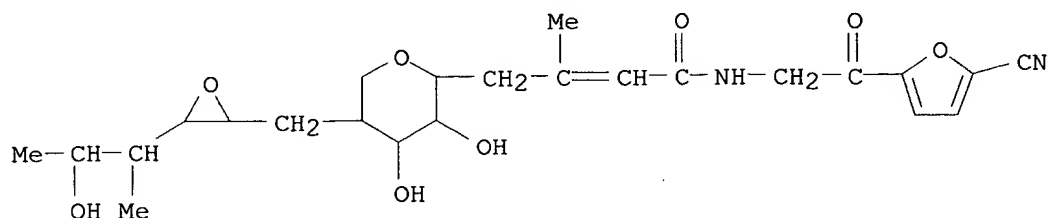
CN L-talo-Non-2-enonamide, 5,9-anhydro-N-[2-(4-cyano-2-furanyl)-2-oxoethyl]-2,3,4,8-tetradecoxy-8-[[3-(2-hydroxy-1-methylpropyl)oxiranyl]methyl]-3-methyl-, [2E,8[2S,3S(1S,2S)]]- (9CI) (CA INDEX NAME)



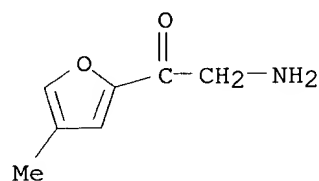
RN 133674-73-4 CAPLUS

CN L-talo-Non-2-enonamide, 5,9-anhydro-N-[2-(5-cyano-2-furanyl)-2-oxoethyl]-2,3,4,8-tetradecoxy-8-[[3-(2-hydroxy-1-methylpropyl)oxiranyl]methyl]-3-methyl-, [2E,8[2S,3S(1S,2S)]]- (9CI) (CA INDEX NAME)

V. Balasubramanian

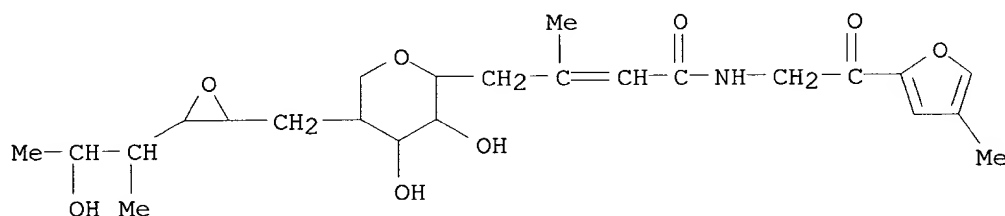


RN 133674-84-7 CAPLUS  
CN Ethanone, 2-amino-1-(4-methyl-2-furanyl)-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 133674-85-8 CAPLUS  
CN L-talo-Non-2-enonamide, 5,9-anhydro-2,3,4,8-tetradexy-8-[[3-(2-hydroxy-1-methylpropyl)oxiranyl]methyl]-3-methyl-N-[2-(4-methyl-2-furanyl)-2-oxoethyl]-, [2E,8[2S,3S(1S,2S)]]- (9CI) (CA INDEX NAME)



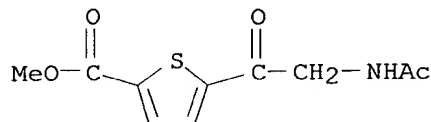
L5 ANSWER 223 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1991:185346 CAPLUS  
DN 114:185346  
TI 5-Heteroaryl-2-thiophenecarboxylic acids: oxazoles and oxadiazoles  
AU Goddard, Carl J.  
CS Dep. Med. Chem., Pfizer Cent. Res., Groton, CT, 06340, USA  
SO Journal of Heterocyclic Chemistry (1991), 28(1), 17-28  
CODEN: JHTCAD; ISSN: 0022-152X  
DT Journal  
LA English  
OS CASREACT 114:185346  
IT **133380-48-0P 133380-49-1P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

V. Balasubramanian

(prepn. and hydrolysis of, with sulfuric acid)

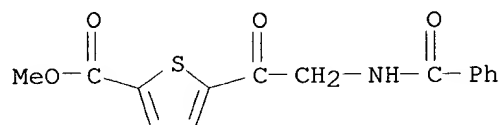
RN 133380-48-0 CAPLUS

CN 2-Thiophenecarboxylic acid, 5-[(acetylamino)acetyl]-, methyl ester (9CI)  
(CA INDEX NAME)



RN 133380-49-1 CAPLUS

CN 2-Thiophenecarboxylic acid, 5-[(benzoylamino)acetyl]-, methyl ester (9CI)  
(CA INDEX NAME)



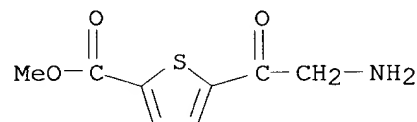
IT **133380-47-9P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)

(prepn. and N-acylation of)

RN 133380-47-9 CAPLUS

CN 2-Thiophenecarboxylic acid, 5-(aminoacetyl)-, methyl ester, hydrochloride  
(9CI) (CA INDEX NAME)



● HCl

L5 ANSWER 224 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1991:143116 CAPLUS

DN 114:143116

TI Preparation of furylethanolamines as intermediates for herbicide antidotes

IN Smith, Lowell R.

PA Monsanto Co., USA

SO U.S., 4 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

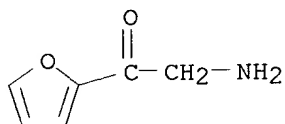
PATENT NO.

KIND DATE

APPLICATION NO. DATE

V. Balasubramanian

PI	US 4962212	A	19901009	US 1989-457055	19891226
	EP 435840	A2	19910703	EP 1990-870146	19900912
	EP 435840	A3	19911121		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	CA 2025374	AA	19910627	CA 1990-2025374	19900914
	AU 9062487	A1	19910704	AU 1990-62487	19900914
	CN 1052854	A	19910710	CN 1990-107679	19900914
	HU 56358	A2	19910828	HU 1990-5914	19900914
	JP 03197476	A2	19910828	JP 1990-242829	19900914
	BR 9004601	A	19910910	BR 1990-4601	19900914
PRAI	US 1989-457055		19891226		
OS	CASREACT 114:143116; MARPAT 114:143116				
IT	<b>88352-86-7P</b>				
	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (prepn. and reaction of, in prepn. of intermediate for herbicide antidote)				
RN	88352-86-7 CAPLUS				
CN	Ethanone, 2-amino-1-(2-furanyl)-, hydrochloride (9CI) (CA INDEX NAME)				

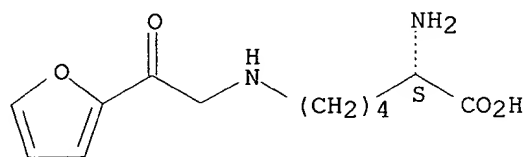


● HCl

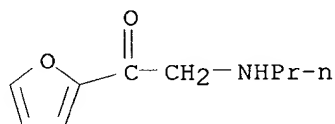
L5 ANSWER 225 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1991:59864 CAPLUS  
DN 114:59864  
TI Determination of hair protein glycation as an indicator of blood glucose control  
AU Matsumoto, Shinichiro  
CS Sch. Med., Kobe Univ., Kobe, Japan  
SO Kobe Daigaku Igakubu Kiyo (1989), 50(1), 81-8  
CODEN: KDIKAX; ISSN: 0075-6431  
DT Journal  
LA Japanese  
IT **19746-33-9**, Furosine  
RL: BIOL (Biological study)  
(of hair, of humans with diabetes mellitus, protein glycation in relation to)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

V. Balasubramanian



L5 ANSWER 226 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1990:631868 CAPLUS  
DN 113:231868  
TI Formation of 1-amino-1,4-dideoxy-2,3-hexodiuloses and 2-aminoacetylfurans  
in the Maillard reaction  
AU Huber, Bernhard; Ledl, Franz  
CS Inst. Pharm. Lebensmittelchem., Univ. Muenchen, Munich, D-8000, Germany  
SO Carbohydrate Research (1990), 204, 215-20  
CODEN: CRBRAT; ISSN: 0008-6215  
DT Journal  
LA English  
OS CASREACT 113:231868  
IT **120347-26-4P**  
RL: FORM (Formation, nonpreparative); PREP (Preparation)  
(formation of, in the Maillard reaction)  
RN 120347-26-4 CAPLUS  
CN Ethanone, 1-(2-furanyl)-2-(propylamino)- (9CI) (CA INDEX NAME)



L5 ANSWER 227 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1990:572008 CAPLUS  
DN 113:172008  
TI Preparation of 5-(thien-2-yl)-2-phenylthiazoles as photoactive  
insecticides, acaracides, and nematodes  
IN Lutomski, Kathryn A.  
PA FMC Corp., USA  
SO U.S., 6 pp. Cont.-in-part of U.S. 4,791,124.  
CODEN: USXXAM  
DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4908357	A	19900313	US 1988-247974	19880922
	US 4791124	A	19881213	US 1987-34259	19870402
	ZA 8703139	A	19871230	ZA 1987-3139	19870430
PRAI	US 1986-857883		19860430		
	US 1986-908754		19860917		
	US 1987-34259		19870402		
OS	CASREACT 113:172008; MARPAT 113:172008				
IT	<b>70996-65-5P</b> , 2-Amino-1-thien-2-ylethanone hydrochloride				



V. Balasubramanian

100044-40-4P 113214-66-7P 129761-28-0P

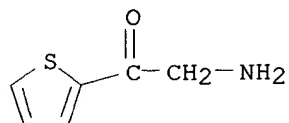
129761-30-4P

RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. of, as intermediate for photoactive insecticide, acaricide, and nematocide)

RN 70996-65-5 CAPLUS

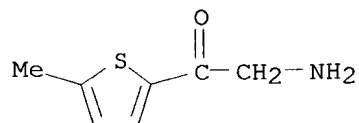
CN Ethanone, 2-amino-1-(2-thienyl)-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 100044-40-4 CAPLUS

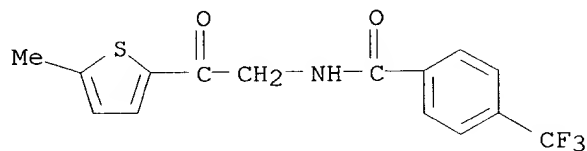
CN Ethanone, 2-amino-1-(5-methyl-2-thienyl)-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 113214-66-7 CAPLUS

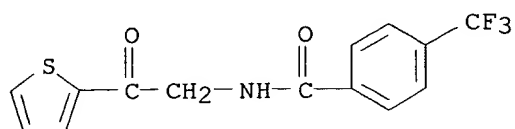
CN Benzamide, N-[2-(5-methyl-2-thienyl)-2-oxoethyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



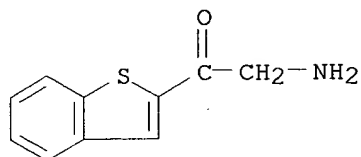
RN 129761-28-0 CAPLUS

CN Benzamide, N-[2-oxo-2-(2-thienyl)ethyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

V. Balasubramanian



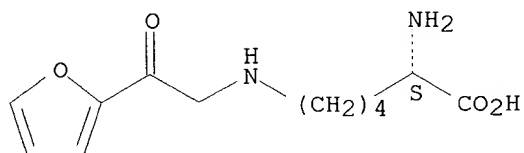
RN 129761-30-4 CAPLUS  
CN Ethanone, 2-amino-1-benzo[b]thien-2-yl-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

L5 ANSWER 228 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1990:196125 CAPLUS  
DN 112:196125  
TI Clinical application of hair protein glycation in the assessment of blood glucose control and diabetic neuropathy  
AU Masuta, Shogo; Sakai, Makoto; Ohara, Takeshi; Igaki, Naoya; Nakamichi, Tsuneo; Maeda, Yuichiro; Hata, Fumihiko; Oimomi, Munetada; Baba, Shigeaki  
CS Sch. Med., Kobe Univ., Japan  
SO Kobe Journal of Medical Sciences (1989), 35(1), 1-9  
CODEN: KJMDA6; ISSN: 0023-2513  
DT Journal  
LA English  
IT 19746-33-9, Furosine  
RL: BIOL (Biological study)  
(of hair, blood sugar and neuropathy in diabetes mellitus in humans correlation with)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

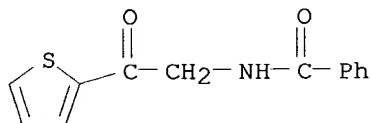


L5 ANSWER 229 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1990:178652 CAPLUS  
DN 112:178652  
TI Preparation of 2-(2-thienyl)ethylamines as pharmaceutical intermediates

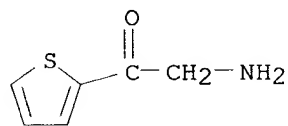
V. Balasubramanian

IN O'Reilly, Neil J.; Lin, Henry C.  
PA Occidental Chemical Corp., USA  
SO U.S., 5 pp.  
CODEN: USXXAM  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4874876	A	19891017	US 1988-265980	19881102
	JP 02196784	A2	19900803	JP 1989-281598	19891027
	EP 367233	A2	19900509	EP 1989-120205	19891031
	EP 367233	A3	19900711		
	R: CH, DE, ES, FR, GB, IT, LI, NL				
PRAI	US 1988-265980		19881102		
OS	CASREACT 112:178652; MARPAT 112:178652				
IT	<b>85210-61-3P</b>				
	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (prepn. and hydrolysis of)				
RN	85210-61-3 CAPLUS				
CN	Benzamide, N-[2-oxo-2-(2-thienyl)ethyl]- (9CI) (CA INDEX NAME)				

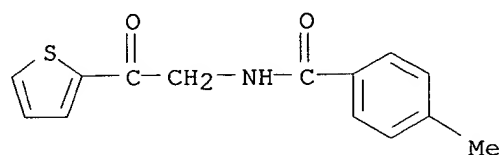


IT **70996-65-5P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(prepn. and redn. of)  
RN 70996-65-5 CAPLUS  
CN Ethanone, 2-amino-1-(2-thienyl)-, hydrochloride (9CI) (CA INDEX NAME)



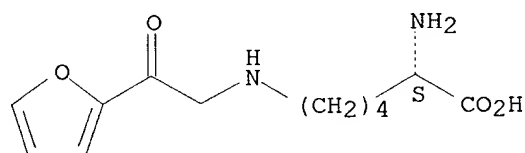
● HCl

IT **99923-43-0P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)  
RN 99923-43-0 CAPLUS  
CN Benzamide, 4-methyl-N-[2-oxo-2-(2-thienyl)ethyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 230 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1990:135419 CAPLUS  
 DN 112:135419  
 TI Determination of furosine as a measure for irreversibly bound glucose in human fibrinogen  
 AU Szoelgyenyi, Gerald P.; Winsauer, Karl J. B.; Deutsch, Erwin  
 CS Inst. Chem., Johannes-Kepler-Univ., Linz, A-1040, Austria  
 SO Monatshefte fuer Chemie (1989), 120(12), 1147-58  
 CODEN: MOCMB7; ISSN: 0026-9247  
 DT Journal  
 LA English  
 OS CASREACT 112:135419  
 IT **19746-33-9**, Furosine  
 RL: ANT (Analyte); ANST (Analytical study)  
 (detrn. of, by HPLC, glycation of human fibrinogen detrn. in relation to)  
 RN 19746-33-9 CAPLUS  
 CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

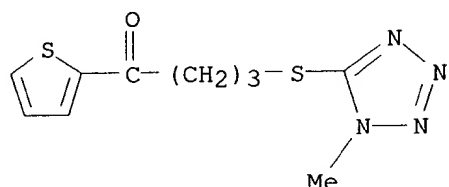
Absolute stereochemistry.



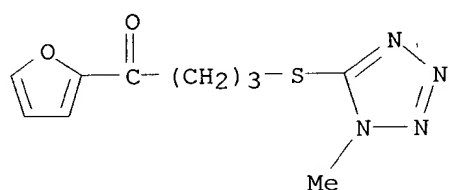
L5 ANSWER 231 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1990:7428 CAPLUS  
 DN 112:7428  
 TI Studies on gastric antiulcer active agents. III. Synthesis of 1-substituted 4-(5-tetrazolyl)thio-1-butanones and related compounds  
 AU Uchida, Minoru; Komatsu, Makoto; Morita, Seiji; Kanbe, Toshimi; Yamasaki, Katsuya; Nakagawa, Kazuyuki  
 CS Tokushima Res. Inst., Otsuka Pharm. Co., Ltd., Tokushima, 771-01, Japan  
 SO Chemical & Pharmaceutical Bulletin (1989), 37(4), 958-61  
 CODEN: CPBTAL; ISSN: 0009-2363  
 DT Journal  
 LA English  
 OS CASREACT 112:7428  
 IT **80087-46-3P 80087-47-4P**  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (prepn. and antiulcer activity of)  
 RN 80087-46-3 CAPLUS  
 CN 1-Butanone, 4-[(1-methyl-1H-tetrazol-5-yl)thio]-1-(2-thienyl)- (9CI) (CA

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INDEX NAME)

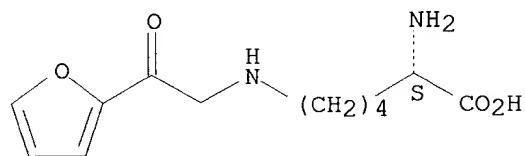


RN 80087-47-4 CAPLUS  
CN 1-Butanone, 1-(2-furanyl)-4-[(1-methyl-1H-tetrazol-5-yl)thio]- (9CI) (CA INDEX NAME)



L5 ANSWER 232 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1989:551416 CAPLUS  
DN 111:151416  
TI Glycosylated proteins of skin, nail and hair: application as an index for long-term control of diabetes mellitus  
AU Sueki, Hirohiko; Nozaki, Shigeyuki; Fujisawa, Ryuichi; Aoki, Kimiko; Kuroiwa, Yukio  
CS Sch. Med. Pharm. Sci., Showa Univ., Tokyo, 142, Japan  
SO Journal of Dermatology (1989), 16(2), 103-10  
CODEN: JDMYAG; ISSN: 0385-2407  
DT Journal  
LA English  
IT 19746-33-9, Furosine  
RL: BIOL (Biological study)  
(of nail, in diabetes mellitus in humans, as long-term control index)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

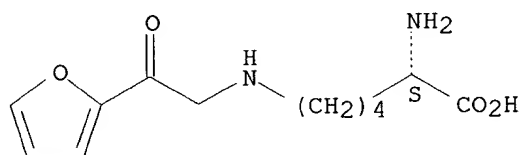


L5 ANSWER 233 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1989:549767 CAPLUS  
DN 111:149767

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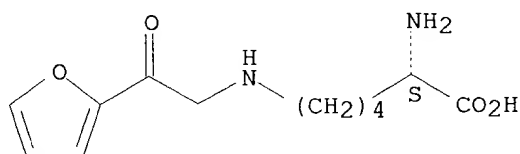
TI Studies on the determination of glycated protein (keratin) in fingernails and its clinical applications  
AU Nishimoto, Shigeki  
CS Sch. Med., Kobe Univ., Kobe, 650, Japan  
SO Kobe Daigaku Igakubu Kiyo (1988), 49(2), 121-8  
CODEN: KDIKAX; ISSN: 0075-6431  
DT Journal  
LA Japanese  
IT **19746-33-9**, Furosine  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. of, in fingernails of humans in diabetes by HPLC, glycated protein detn. in relation to)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 234 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1989:532726 CAPLUS  
DN 111:132726  
TI Estimation of lysine damage in heated whey proteins by furosine determinations in conjunction with the digestion cell technique  
AU Desrosiers, Therese; Savoie, Laurent; Bergeron, Gino; Parent, Guy  
CS Cent. Rech. Nutr., Univ. Laval, Quebec, QC, G1K 7P4, Can.  
SO Journal of Agricultural and Food Chemistry (1989), 37(5), 1385-91  
CODEN: JAFCAU; ISSN: 0021-8561  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: FORM (Formation, nonpreparative)  
(formation of, in whey protein conc. heating, lysine damage in relation to)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

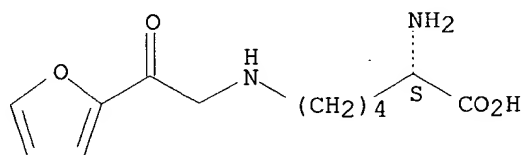


L5 ANSWER 235 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1989:495802 CAPLUS  
DN 111:95802  
TI Formation of early Maillard products during UHT treatment of milk  
AU Erbersdobler, H. F.; Dehn-Mueller, Barutha

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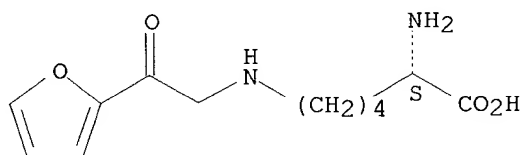
CS Inst. Humanernaehrg. Lebensmittelkd., Christian-Albrechts-Univ., Kiel,  
D-2300/1, Fed. Rep. Ger.  
SO Bulletin of the International Dairy Federation (1989), 238, 62-7  
CODEN: BIDFDY; ISSN: 0250-5118  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: FORM (Formation, nonpreparative)  
(formation of, in milk during ultra-high-temp. treatment)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 236 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1989:494870 CAPLUS  
DN 111:94870  
TI Glycation of collagen in the aorta and the development of aging  
AU Nishimoto, S.; Oimomi, M.; Baba, S.  
CS Sch. Med., Kobe Univ., Kobe, Japan  
SO Clinica Chimica Acta (1989), 182(2), 235-7  
CODEN: CCATAR; ISSN: 0009-8981  
DT Journal  
LA English  
IT **19746-33-9**  
RL: BIOL (Biological study)  
(in artery collagens, during senescence in humans, maturity-onset  
diabetes mellitus effect on)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

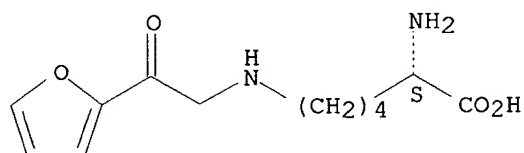


L5 ANSWER 237 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1989:475928 CAPLUS  
DN 111:75928  
TI Protein glycation in the aorta, with reference to aging, arteriosclerosis  
and diabetes mellitus  
AU Kitamura, Yoshiaki  
CS Sch. Med., Kobe Univ., Kobe, 650, Japan  
SO Kobe Daigaku Igakubu Kiyō (1988), 49(1), 419-26  
CODEN: KDIKAX; ISSN: 0075-6431

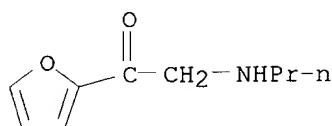
V. Balasubramanian

DT Journal  
LA Japanese  
IT **19746-33-9**, Furosine  
RL: BIOL (Biological study)  
(of aorta of humans, in arteriosclerosis and diabetes and senescence,  
protein glycation in relation to)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 238 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1989:213188 CAPLUS  
DN 110:213188  
TI Formation of 2-(2-furoyl)-4(5)-(2-furyl)-1H-imidazole in the Maillard  
reaction  
AU Huber, Bernhard; Ledl, Franz; Severin, Theodor; Stangl, Achim; Pfleiderer,  
Gerhard  
CS Inst. Pharm. Lebensmittelchem., Univ. Muenchen, Munich, D-8000, Fed. Rep.  
Ger.  
SO Carbohydrate Research (1988), 182(2), 301-6  
CODEN: CRBRAT; ISSN: 0008-6215  
DT Journal  
LA English  
OS CASREACT 110:213188  
IT **120347-27-5P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(prep. and reaction of, with ammonia)  
RN 120347-27-5 CAPLUS  
CN Ethanone, 1-(2-furanyl)-2-(propylamino)-, ethanedioate (1:1) (9CI) (CA  
INDEX NAME)  
  
CM 1  
  
CRN 120347-26-4  
CMF C9 H13 N O2



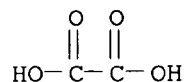
CM 2

CRN 144-62-7

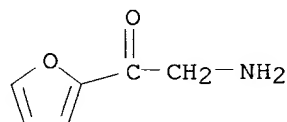


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CMF C2 H2 O4



L5 ANSWER 239 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1989:95098 CAPLUS  
DN 110:95098  
TI A study of the reaction of ethyl isothiocyanatoacetate with  
.alpha.-aminocarbonyl compounds  
AU Veverka, M.; Marchalin, M.  
CS Inst. Biotechnol., Slovak Tech. Univ., Bratislava, Czech.  
SO Studies in Organic Chemistry (Amsterdam) (1988), 35(Chem. Heterocycl.  
Compd.), 567-70  
CODEN: SOCHDQ; ISSN: 0165-3253  
DT Journal  
LA English  
IT **88352-86-7**  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, with isothiocyanatoacetate)  
RN 88352-86-7 CAPLUS  
CN Ethanone, 2-amino-1-(2-furanyl)-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

L5 ANSWER 240 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1989:75477 CAPLUS  
DN 110:75477  
TI A process for the preparation of the blood platelet aggregation inhibitor  
5-(2-chlorobenzyl)-4,5,6,7-tetrahydrothieno[3,2-c]pyridine  
IN Okada, Tsugio; Kawasaki, Hiroshi; Kikuchi, Toshio; Aoki, Takao; Watanabe,  
Masahiro  
PA Iwashiro Seiyaku Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 62164683	A2	19870721	JP 1986-3546	19860113
PRAI	JP 1986-3546		19860113		
IT	<b>115367-09-4P</b>				

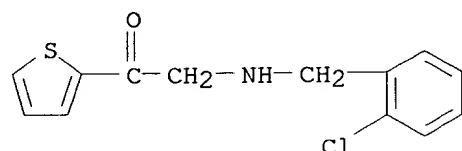
V. Balasubramanian

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. and thioketalization of, with ethanedithiol)

RN 115367-09-4 CAPLUS

CN Ethanone, 2-[[ (2-chlorophenyl)methyl]amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 241 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1989:4122 CAPLUS

DN 110:4122

TI Glycated lysine increases in serum samples stored at -20.degree.C

AU Schaeffer, Lauge

CS Dep. Clin. Biochem., Novo Res. Inst., Bagsvaerd, DK-2880, Den.

SO Clinical Chemistry (Washington, DC, United States) (1988), 34(9), 1906-8  
CODEN: CLCHAU; ISSN: 0009-9147

DT Journal

LA English

IT 19746-33-9, Furosine

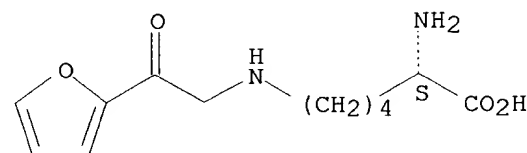
RL: ANT (Analyte); ANST (Analytical study)

(detn. of, in hydrolyzed serum by HPLC)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 242 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1988:606959 CAPLUS

DN 109:206959

TI Mechanism of formation of the putative advanced glycosylation end product and protein cross-link 2-(2-furoyl)-4(5)-(2-furanyl)-1H-imidazole

AU Njoroge, F. George; Fernandes, Albert A.; Monnier, Vincent M.

CS Sch. Med., Case Western Reserve Univ., Cleveland, OH, 44106, USA

SO Journal of Biological Chemistry (1988), 263(22), 10646-52

CODEN: JBCHA3; ISSN: 0021-9258

DT Journal

LA English

IT 19746-33-9, Furosine

RL: RCT (Reactant); RACT (Reactant or reagent)

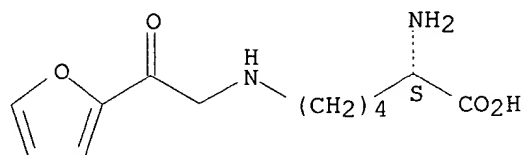
(acid hydrolysis of, furoylfuranylimidazole formation in)

RN 19746-33-9 CAPLUS

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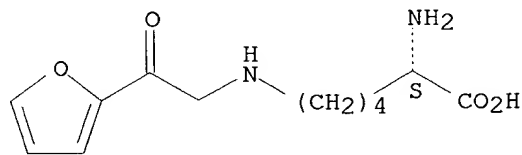
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 243 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1988:569050 CAPLUS  
DN 109:169050  
TI Determination of amino acids by gas-liquid chromatography with  
nitrogen-selective detection  
AU Bueser, Wolfgang; Erbersdobler, Helmut F.  
CS Untersuchungsinst. Sanitaetsdienstes Bundeswehr, Kronshagen, D-2300, Fed.  
Rep. Ger.  
SO Zeitschrift fuer Lebensmittel-Untersuchung und -Forschung (1988), 186(6),  
509-13  
CODEN: ZLUFAR; ISSN: 0044-3026  
DT Journal  
LA German  
IT 19746-33-9  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. of, in food and protein hydrolyzates by gas chromatog. of  
heptafluorobutyryl iso-Bu ester derivs.)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



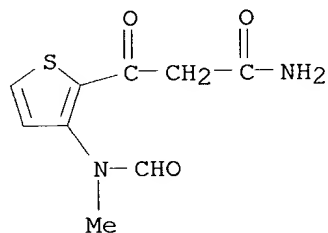
L5 ANSWER 244 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1988:549506 CAPLUS  
DN 109:149506  
TI Preparation of thienopyridinecarboxamide derivatives as cardiovascular  
agents and formulations containing them  
IN Davies, Roy Victor  
PA Boots Co. PLC, UK  
SO Eur. Pat. Appl., 18 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 269295	A1	19880601	EP 1987-309788	19871105
	EP 269295	B1	19910626		

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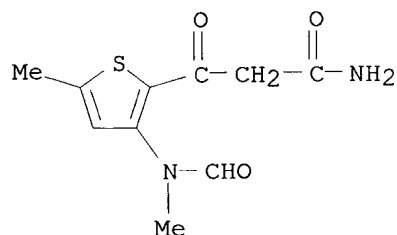
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE

ZA 8708306	A	19880629	ZA 1987-8306	19871105
AT 64736	E	19910715	AT 1987-309788	19871105
ES 2038188	T3	19930716	ES 1987-309788	19871105
FI 8705020	A	19880521	FI 1987-5020	19871113
DK 8705998	A	19880521	DK 1987-5998	19871116
IL 84505	A1	19901223	IL 1987-84505	19871117
DD 282690	A5	19900919	DD 1987-309168	19871118
NO 8704834	A	19880524	NO 1987-4834	19871119
JP 63141984	A2	19880614	JP 1987-293042	19871119
HU 47289	A2	19890228	HU 1987-5137	19871119
HU 198060	B	19890728		
US 4877793	A	19891031	US 1987-122394	19871119
AU 8781440	A1	19880526	AU 1987-81440	19871120
AU 599721	B2	19900726		
CN 87107975	A	19880601	CN 1987-107975	19871120
CN 1019491	B	19921216		
PL 149617	B1	19900331	PL 1987-268925	19871120
PRAI GB 1986-27698		19861120		
EP 1987-309788		19871105		
OS MARPAT 109:149506				
IT 116623-98-4 116623-99-5 116624-00-1				
116624-01-2 116624-02-3				
RL: RCT (Reactant); RACT (Reactant or reagent)				
(cyclization of)				
RN 116623-98-4 CAPLUS				
CN 2-Thiophenepropanamide, 3-(formylmethylamino)-.beta.-oxo- (9CI) (CA INDEX NAME)				



RN 116623-99-5 CAPLUS

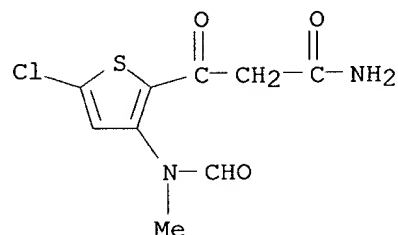
CN 2-Thiophenepropanamide, 3-(formylmethylamino)-5-methyl-.beta.-oxo- (9CI) (CA INDEX NAME)



RN 116624-00-1 CAPLUS

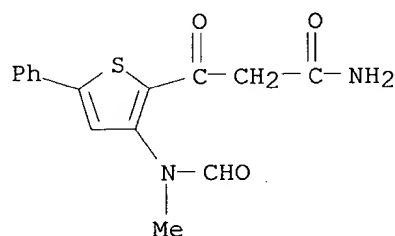
CN 2-Thiophenepropanamide, 5-chloro-3-(formylmethylamino)-.beta.-oxo- (9CI) (CA INDEX NAME)

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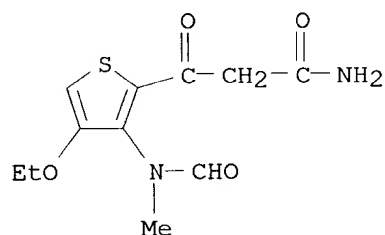
RN 116624-01-2 CAPLUS

CN 2-Thiophenepropanamide, 3-(formylmethylamino)-.beta.-oxo-5-phenyl- (9CI)  
(CA INDEX NAME)



RN 116624-02-3 CAPLUS

CN 2-Thiophenepropanamide, 4-ethoxy-3-(formylmethylamino)-.beta.-oxo- (9CI)  
(CA INDEX NAME)



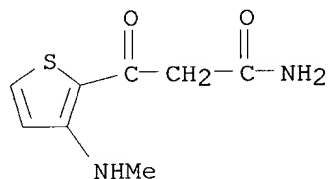
IT 116624-03-4 116624-04-5 116624-05-6

116624-06-7 116624-07-8

RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, with alkyl orthoformate)

RN 116624-03-4 CAPLUS

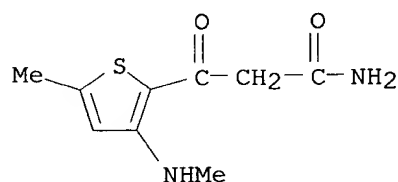
CN 2-Thiophenepropanamide, 3-(methylamino)-.beta.-oxo- (9CI) (CA INDEX NAME)



V. Balasubramanian

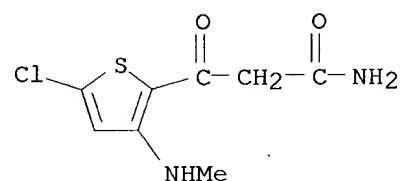
RN 116624-04-5 CAPLUS

CN 2-Thiophenepropanamide, 5-methyl-3-(methylamino)-.beta.-oxo- (9CI) (CA INDEX NAME)



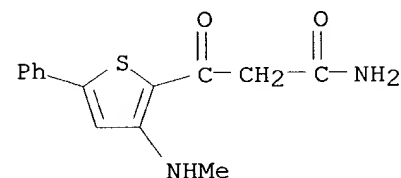
RN 116624-05-6 CAPLUS

CN 2-Thiophenepropanamide, 5-chloro-3-(methylamino)-.beta.-oxo- (9CI) (CA INDEX NAME)



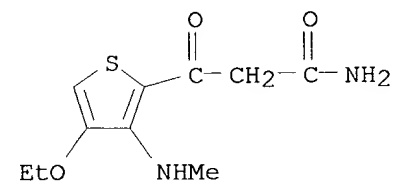
RN 116624-06-7 CAPLUS

CN 2-Thiophenepropanamide, 3-(methylamino)-.beta.-oxo-5-phenyl- (9CI) (CA INDEX NAME)



RN 116624-07-8 CAPLUS

CN 2-Thiophenepropanamide, 4-ethoxy-3-(methylamino)-.beta.-oxo- (9CI) (CA INDEX NAME)



L5 ANSWER 245 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1988:526424 CAPLUS

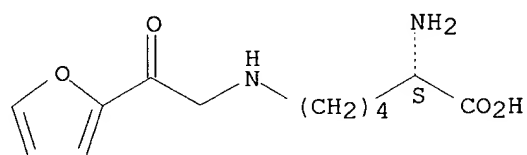
DN 109:126424

TI A study of the age-related acceleration of glycation of tissue proteins in rats

V. Balasubramanian

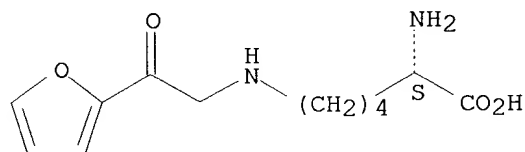
AU Oimomi, Munetada; Maeda, Yuichiro; Hata, Fumihiko; Kitamura, Yoshiaki;  
Matsumoto, Shinichiro; Hatanaka, Hiroshi; Baba, Shigeaki  
CS Sch. Med., Kobe Univ., Japan  
SO Journals of Gerontology (1988), 43(4), B98-B101  
CODEN: JOGEA3; ISSN: 0022-1422  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: BIOL (Biological study)  
(of artery, in senescence)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 246 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1988:472315 CAPLUS  
DN 109:72315  
TI Monitoring nonenzymic browning in cakes prepared with high-fructose corn  
syrup by high-performance liquid chromatography  
AU Harris, C. H.; Johnson, J. M.  
CS Dep. Hum. Nutr. Foods, Virginia Tech, Blacksburg, VA, 24061, USA  
SO Journal of Food Quality (1988), 10(6), 417-24  
CODEN: JFQUD7; ISSN: 0146-9428  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: BIOL (Biological study)  
(of cakes made with high-fructose corn syrup, nonenzymic browning in  
relation to)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

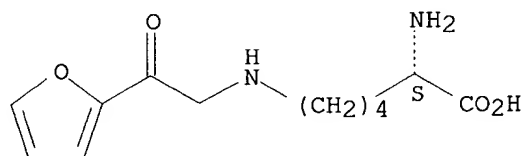


L5 ANSWER 247 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1988:469771 CAPLUS  
DN 109:69771  
TI Clinical application of serum glycosylated protein (fructosamine)  
AU Masuta, Shogo; Nakamichi, Tsuneo; Maeda, Yuichiro; Hata, Fumihiko;  
Kitamura, Yoshiaki; Matsumoto, Shinichiro; Hatanaka, Hiroshi; Oimomi,  
Munetada; Baba, Shigeaki

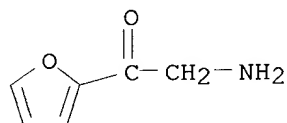
V. Balasubramanian

CS Sch. Med., Kobe Univ., Kobe, Japan  
SO Tonyoby (Tokyo, Japan) (1988), 31(1), 35-40  
CODEN: TONYA4; ISSN: 0021-437X  
DT Journal  
LA Japanese  
IT **19746-33-9**, Furosine  
RL: ANST (Analytical study)  
(of blood serum, of humans in diabetes. fructosamine correlation with)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 248 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1988:221624 CAPLUS  
DN 108:221624  
TI Synthesis of ethyl 2-(4-chlorophenyl)-5-(2-furyl)-4-oxazoleacetate, a  
hypolipidemic agent, and related compounds  
AU Moriya, Tamon; Seki, Masahiko; Takabe, Seiichi; Matsumoto, Kazuo;  
Takashima, Kohki; Mori, Tetsuji; Odawara, Akio; Takeyama, Shigeyuki  
CS Res. Lab. Appl. Biochem., Tanabe Seiyaku Co., Ltd., Osaka, 532, Japan  
SO Journal of Medicinal Chemistry (1988), 31(6), 1197-204  
CODEN: JMCMAR; ISSN: 0022-2623  
DT Journal  
LA English  
OS CASREACT 108:221624  
IT **88352-86-7**  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(acylation of)  
RN 88352-86-7 CAPLUS  
CN Ethanone, 2-amino-1-(2-furanyl)-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

IT **88352-87-8P 88352-92-5P 88352-93-6P**  
**88352-94-7P 88352-95-8P 88352-96-9P**  
**88352-97-0P 88352-98-1P 113598-06-4P**  
**113598-07-5P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)

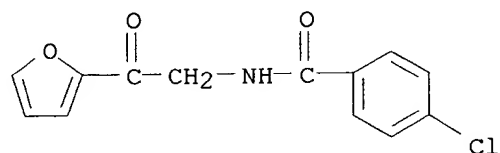


V. Balasubramanian

(prepn. and reaction of, with bromoacetate)

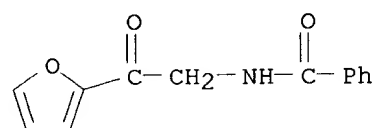
RN 88352-87-8 CAPLUS

CN Benzamide, 4-chloro-N-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)



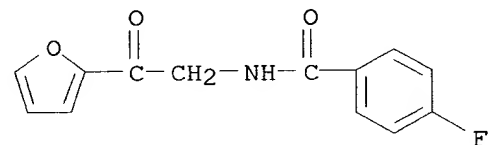
RN 88352-92-5 CAPLUS

CN Benzamide, N-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)



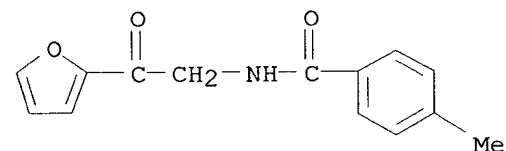
RN 88352-93-6 CAPLUS

CN Benzamide, 4-fluoro-N-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)



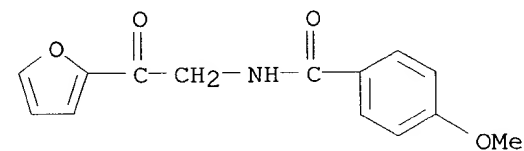
RN 88352-94-7 CAPLUS

CN Benzamide, N-[2-(2-furanyl)-2-oxoethyl]-4-methyl- (9CI) (CA INDEX NAME)



RN 88352-95-8 CAPLUS

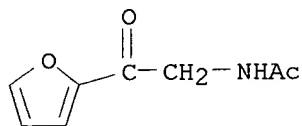
CN Benzamide, N-[2-(2-furanyl)-2-oxoethyl]-4-methoxy- (9CI) (CA INDEX NAME)



V. Balasubramanian

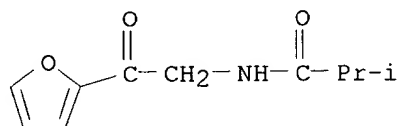
RN 88352-96-9 CAPLUS

CN Acetamide, N-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)



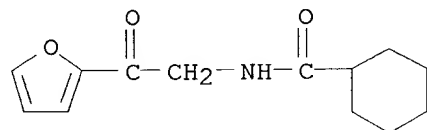
RN 88352-97-0 CAPLUS

CN Propanamide, N-[2-(2-furanyl)-2-oxoethyl]-2-methyl- (9CI) (CA INDEX NAME)



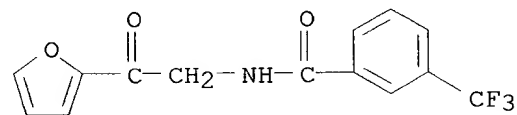
RN 88352-98-1 CAPLUS

CN Cyclohexanecarboxamide, N-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)



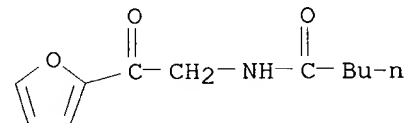
RN 113598-06-4 CAPLUS

CN Benzamide, N-[2-(2-furanyl)-2-oxoethyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 113598-07-5 CAPLUS

CN Pentanamide, N-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

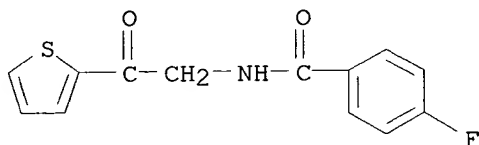


L5 ANSWER 249 OF 409 CAPLUS COPYRIGHT 2003 ACS

09/817,374

V. Balasubramanian

AN 1988:131666 CAPLUS  
DN 108:131666  
TI Syntheses of 2-aryl-4-(3-thienyl)imidazole derivatives with  
antiinflammatory properties  
AU Suzuki, Mamoru; Maeda, Sadao; Matsumoto, Kazuo; Ishizuka, Tohru; Iwasawa,  
Yoshio  
CS Res. Lab. Appl. Biochem., Tanabe Seiyaku Co., Ltd., Osaka, 532, Japan  
SO Chemical & Pharmaceutical Bulletin (1986), 34(8), 3111-20  
CODEN: CPBTAL; ISSN: 0009-2363  
DT Journal  
LA English  
OS CASREACT 108:131666  
IT **85210-64-6**  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(cyclization. of, in presence of ammonium acetate)  
RN 85210-64-6 CAPLUS  
CN Benzamide, 4-fluoro-N-[2-oxo-2-(2-thienyl)ethyl]- (9CI) (CA INDEX NAME)

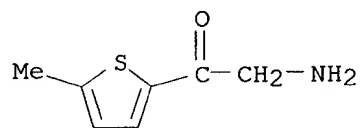


L5 ANSWER 250 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1988:112439 CAPLUS  
DN 108:112439  
TI Preparation and testing of photoactive azole pesticides  
IN Lutomski, Kathryn Ann; Burkart, Susan Ellen; Phillips, Richard Benton;  
Roush, David Michael; Turchi, Ignatius Joseph  
PA FMC Corp., USA  
SO PCT Int. Appl., 39 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8706429	A1	19871105	WO 1987-US842	19870414
	W: AU, BR, DK, HU, JP, KR				
	RW: CH, DE, FR, GB, IT, NL				
	AU 8773015	A1	19871124	AU 1987-73015	19870414
	ZA 8703139	A	19871230	ZA 1987-3139	19870430
	CN 87103235	A	19880608	CN 1987-103235	19870430
	DK 8706893	A	19871229	DK 1987-6893	19871229
PRAI	US 1986-857883		19860430		
	US 1986-908754		19860917		
	WO 1987-US842		19870414		

IT **100044-40-4P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(prepn. and acylation of)  
RN 100044-40-4 CAPLUS  
CN Ethanone, 2-amino-1-(5-methyl-2-thienyl)-, hydrochloride (9CI) (CA INDEX  
NAME)

V. Balasubramanian



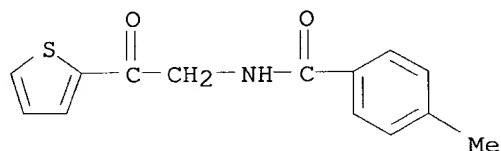
● HCl

IT 99923-43-0P 113214-66-7P 113214-67-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (prepn. and sulfuration of)

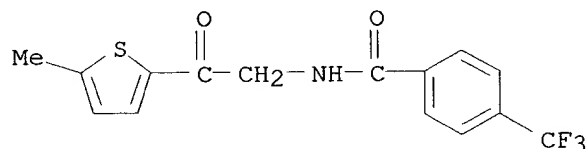
RN 99923-43-0 CAPLUS

CN Benzamide, 4-methyl-N-[2-oxo-2-(2-thienyl)ethyl]- (9CI) (CA INDEX NAME)



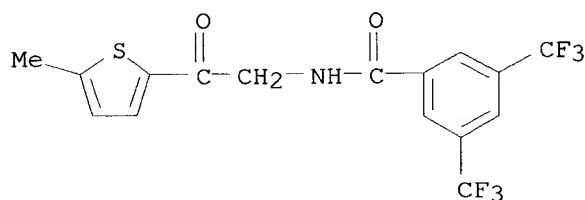
RN 113214-66-7 CAPLUS

CN Benzamide, N-[2-(5-methyl-2-thienyl)-2-oxoethyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 113214-67-8 CAPLUS

CN Benzamide, N-[2-(5-methyl-2-thienyl)-2-oxoethyl]-3,5-bis(trifluoromethyl)- (9CI) (CA INDEX NAME)



IT 113214-69-0

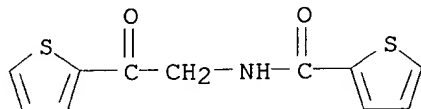
RL: RCT (Reactant); RACT (Reactant or reagent)

V. Balasubramanian

(sulfuration of)

RN 113214-69-0 CAPLUS

CN 2-Thiophenecarboxamide, N-[2-oxo-2-(2-thienyl)ethyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 251 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1988:4201 CAPLUS

DN 108:4201

TI Cataract and nonenzymatic glycation

AU Kitamura, Yoshiaki; Maeda, Yuichiro; Hata, Fumihiko; Nishimoto, Shigeki; Matsumoto, Shinichiro; Hatanaka, Hiroshi; Oimomi, Munetada; Baba, Shigeaki; Iga, Toshiyuki; Inoue, Masanori

CS Sch. Med., Kobe Univ., Kobe, Japan

SO Tonyobyto (Tokyo, Japan) (1987), 30(6), 529-33

CODEN: TONYA4; ISSN: 0021-437X

DT Journal

LA Japanese

IT 19746-33-9, Furosine

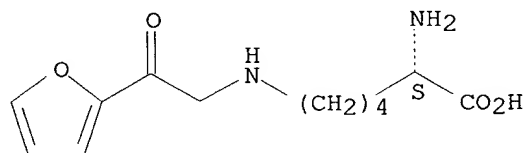
RL: BIOL (Biological study)

(of eye lens, in diabetes in human, cataract pathogenesis in relation to)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 252 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1987:550561 CAPLUS

DN 107:150561

TI Measurement of glycated protein by a rapid and specific method for absolute quantification of lysine-bound glucose

AU Drexel, Heinz; Klocker, Helmut; Patsch, Josef R.; Breier, Christoph; Braunsteiner, Herbert

CS Inst. Biochem., Univ. Innsbruck, Innsbruck, 6020, Austria

SO Clinical Chemistry (Washington, DC, United States) (1987), 33(9), 1656-9

CODEN: CLCHAU; ISSN: 0009-9147

DT Journal

LA English

IT 19746-33-9, Furosine

RL: ANT (Analyte); ANST (Analytical study)

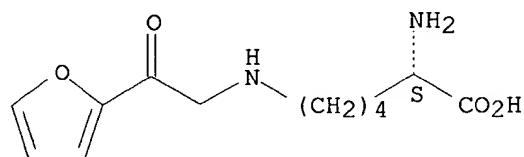
(detn. of, in blood serum proteins by reversed-phase HPLC, of humans)

RN 19746-33-9 CAPLUS

V. Balasubramanian

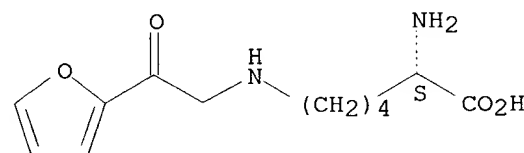
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 253 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1987:422036 CAPLUS  
DN 107:22036  
TI Detection of reconstituted milk in fresh milk  
AU Ding, Hwia Cheng; Chang, Tsung Chain  
CS Food Ind. Res. Dev. Inst., Hsinchu, Taiwan  
SO Zhongguo Nongye Huaxue Huizhi (1986), 24(4), 406-11  
CODEN: CKNHAA; ISSN: 0578-1736  
DT Journal  
LA Chinese  
IT **19746-33-9, Furosine**  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. of, in milk, in adulteration detection by milk culture)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

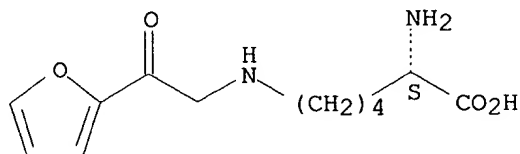
Absolute stereochemistry.



L5 ANSWER 254 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1987:403507 CAPLUS  
DN 107:3507  
TI Determination of glycosylation in hair protein by furosine assay method  
AU Oimomi, Munetada; Maeda, Yuichiro; Hata, Fumihiko; Nishimoto, Shigeki;  
Kitamura, Yoshiaki; Matsumoto, Shinichiro; Hatanaka, Hiroshi; Baba,  
Shigeaki  
CS Sch. Med., Kobe Univ., Kobe, 650, Japan  
SO Rinsho Kagaku (Nippon Rinsho Kagakkai) (1986), 15(4), 233-6  
CODEN: RIKAAAN; ISSN: 0370-5633  
DT Journal  
LA English  
IT **19746-33-9, Furosine**  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. of, in hair by HPLC as glycosylation indicator)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

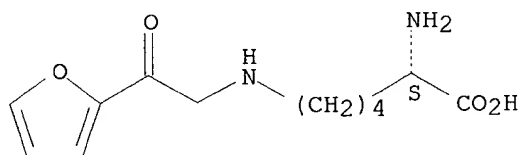
Absolute stereochemistry.

V. Balasubramanian



L5 ANSWER 255 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1987:117499 CAPLUS  
DN 106:117499  
TI Increased fructose-lysine of nail protein and blood glucose control in diabetic patients  
AU Oimomi, M.; Nishimoto, S.; Kitamura, Y.; Matsumoto, S.; Hatanaka, H.; Baba, S.  
CS Sch. Med., Kobe Univ., Kobe, 650, Japan  
SO Hormone and Metabolic Research (1986), 18(12), 827-9  
CODEN: HMMRA2; ISSN: 0018-5043  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: BIOL (Biological study)  
(of nail, in diabetes mellitus in humans, blood sugar control in relation to)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

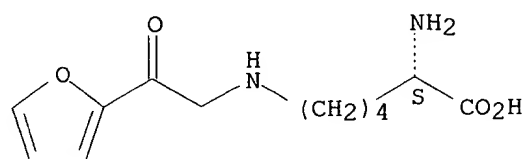
Absolute stereochemistry.



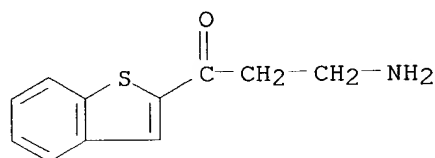
L5 ANSWER 256 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1987:65919 CAPLUS  
DN 106:65919  
TI Determination of furosine in heated milk as a measure of heat intensity during processing  
AU Erbersdobler, Helmut F.; Dehn, Barutha; Nangpal, Ashok; Reuter, Helmut  
CS Inst. Humaneranaehr. Lebensmittelkd., Christian-Albrechts-Univ., Kiel, 2300/1, Fed. Rep. Ger.  
SO Journal of Dairy Research (1987), 54(1), 147-51  
CODEN: JDRSAN; ISSN: 0022-0299  
DT Journal  
LA English  
IT **19746-33-9**, Furosine  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. of, in milk, by ion-exchange chromatog.)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

V. Balasubramanian



L5 ANSWER 257 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1987:43711 CAPLUS  
DN 106:43711  
TI Inhibitory effects of three new synthetic compounds on human platelet aggregation  
AU Chignard, M.; Maamer, M.; Keraly, C. Lalau; Greiss, M.; Aurousseau, M.; Benveniste, J.  
CS Univ. Paris-Sud, Clamart, 92140, Fr.  
SO Thrombosis Research (1986), 44(4), 445-54  
CODEN: THBRAA; ISSN: 0049-3848  
DT Journal  
LA English  
IT **106327-74-6D**, derivs.  
RL: BIOL (Biological study)  
(platelet aggregation of human inhibition by)  
RN 106327-74-6 CAPLUS  
CN 1-Propanone, 3-amino-1-benzo[b]thien-2-yl- (9CI) (CA INDEX NAME)



L5 ANSWER 258 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1986:626018 CAPLUS  
DN 105:226018  
TI Arylalkenol, -alkynol, and -cycloalkanol derivatives  
IN Hughes, Leslie Richard; Tucker, Howard  
PA Imperial Chemical Industries PLC, UK  
SO Eur. Pat. Appl., 39 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 193303	A2	19860903	EP 1986-300922	19860211
	EP 193303	A3	19891018		
	EP 193303	B1	19911023		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	IL 77801	A1	19910512	IL 1986-77801	19860205
	AU 8653264	A1	19860821	AU 1986-53264	19860206
	AU 594936	B2	19900322		
	ZA 8600894	A	19861126	ZA 1986-894	19860206



V. Balasubramanian

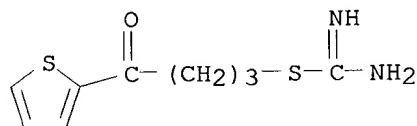
AT 68786	E	19911115	AT 1986-300922	19860211
FI 8600674	A	19860819	FI 1986-674	19860213
FI 86847	B	19920715		
FI 86847	C	19921026		
NO 8600586	A	19860819	NO 1986-586	19860217
NO 164348	B	19900618		
NO 164348	C	19900926		
CA 1256875	A1	19890704	CA 1986-501987	19860217
DK 8600760	A	19860819	DK 1986-760	19860218
JP 61189243	A2	19860822	JP 1986-32069	19860218
JP 07029964	B4	19950405		
US 4845119	A	19890704	US 1986-830136	19860218
US 5084478	A	19920128	US 1989-337862	19890414
US 5236953	A	19930817	US 1991-784880	19911030
PRAI GB 1985-4093		19850218		
US 1982-337862		19820414		
EP 1986-300922		19860211		
US 1986-830136		19860218		

IT 105444-75-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. and thiolysis by, of epoxyphenylbutene derivs.)

RN 105444-75-5 CAPLUS

CN Carbamimidothioic acid, 4-oxo-4-(2-thienyl)butyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

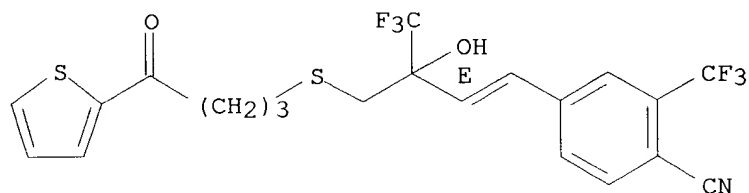
IT 105444-57-3P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of, as antiandrogen)

RN 105444-57-3 CAPLUS

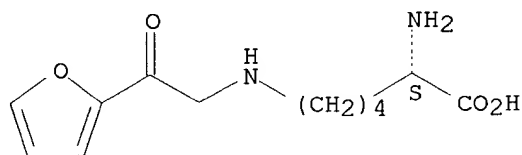
CN Benzonitrile, 4-[4,4,4-trifluoro-3-hydroxy-3-[[[4-oxo-4-(2-thienyl)butyl]thio]methyl]-1-butenyl]-2-(trifluoromethyl)-, (E)- (9CI)  
(CA INDEX NAME)

Double bond geometry as shown.



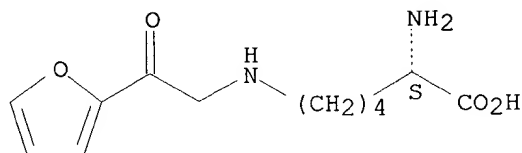
L5 ANSWER 259 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1986:589494 CAPLUS  
DN 105:189494  
TI Twenty years of furosine - better knowledge about the biological significance of the Maillard reaction in food and nutrition  
AU Erbersdobler, H. F.  
CS Dep. Nutr. Food Sci., Univ. Kiel, Kiel, D-2300/1, Fed. Rep. Ger.  
SO Developments in Food Science (1986), 13(Amino-Carbonyl React. Food Biol. Syst.), 481-91  
CODEN: DFSCDX; ISSN: 0167-4501  
DT Journal; General Review  
LA English  
IT **19746-33-9**  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. and formation of, in Maillard reaction, in food and tissues)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



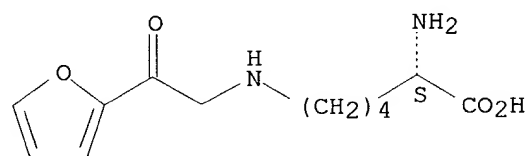
L5 ANSWER 260 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1986:511307 CAPLUS  
DN 105:111307  
TI Clinical application of glycosylated proteins (fructose-lysine) in diabetic patients  
AU Oimomi, Munetada; Kitamura, Yoshiaki; Nishimoto, Shigeki; Matsumoto, Shinichiro; Hatanaka, Hiroshi; Ishikawa, Kazuo; Baba, Shigeaki  
CS Sch. Med., Kobe Univ., Kobe, 650, Japan  
SO Developments in Food Science (1986), 13(Amino-Carbonyl React. Food Biol. Syst.), 475-80  
CODEN: DFSCDX; ISSN: 0167-4501  
DT Journal  
LA English  
IT **19746-33-9**  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. of, in tissue proteins in diabetes in human by HPLC, blood glucose control in relation to)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



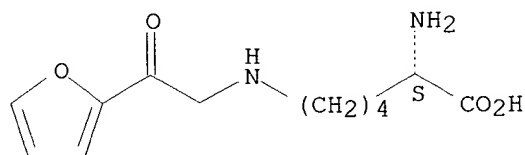
L5 ANSWER 261 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1986:511305 CAPLUS  
DN 105:111305  
TI Determination of fructose-lysine in glycosylated plasma proteins and its clinical application in diabetic patients  
AU Ishikawa, Kazuo  
CS Sch. Med., Kobe Univ., Kobe, 650, Japan  
SO Kobe Daigaku Igakubu Kiyo (1985), 46(3), 205-13  
CODEN: KDIKAX; ISSN: 0075-6431  
DT Journal  
LA Japanese  
IT **19746-33-9**  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. of, by HPLC-spectrophotometry, plasma protein glycosylation in diabetes in human in relation to)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 262 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1986:477659 CAPLUS  
DN 105:77659  
TI Optimum yield of pyridosine and furosine originating from Maillard reactions monitored by ion-exchange chromatography  
AU Molnar-Perl, I.; Pinter-Szakacs, M.; Wittmann, R.; Reutter, M.; Eichner, K.  
CS Inst. Inorg. Anal. Chem., L. Eotvos Univ., Budapest, 1088, Hung.  
SO Journal of Chromatography (1986), 361, 311-20  
CODEN: JOCRAM; ISSN: 0021-9673  
DT Journal  
LA English  
IT **19746-33-9**  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. of, in Maillard reaction products with lysine, by ion-exchange chromatog.)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

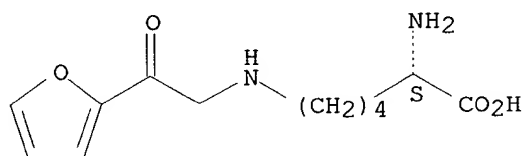
Absolute stereochemistry.



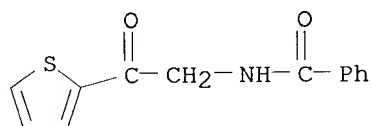
V. Balasubramanian

L5 ANSWER 263 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1986:182643 CAPLUS  
DN 104:182643  
TI Non-enzymic glycosylation of nail protein in diabetic patients  
AU Ishikawa, Kazuo; Matsumoto, Shinichiro; Hatanaka, Hiroshi; Kawasaki, Tomihiro; Kubota, Shinzo; Tanke, Genyo; Yoshimura, Yukio; Oimomi, Munetada; Baba, Shigeaki  
CS Sch. Med., Kobe Univ., Kobe, Japan  
SO Tonyobyto (Tokyo, Japan) (1985), 28(11), 1215-19  
CODEN: TONYA4; ISSN: 0021-437X  
DT Journal  
LA Japanese  
IT **19746-33-9**  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. of, for nonenzymically glycosylated protein detn. in nails of humans)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



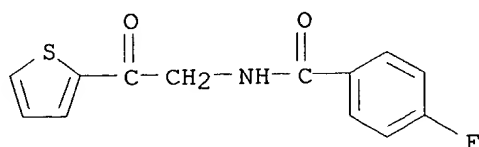
L5 ANSWER 264 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1986:129826 CAPLUS  
DN 104:129826  
TI Synthesis of amino acids and related compounds. 29. Synthesis and hypolipidemic activities of 5-thienyl-4-oxazoleacetic acid derivatives  
AU Moriya, Tamon; Takabe, Seiichi; Maeda, Sadao; Matsumoto, Kazuo  
CS Res. Lab. Appl. Biochem., Tanabe Seiyaku Co., Ltd., Osaka, 532, Japan  
SO Journal of Medicinal Chemistry (1986), 29(3), 333-41  
CODEN: JMCMAR; ISSN: 0022-2623  
DT Journal  
LA English  
OS CASREACT 104:129826  
IT **85210-61-3P 85210-64-6P 85210-65-7P**  
**99923-43-0P 99923-44-1P 99923-45-2P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. and alkylation with bromoacetate)  
RN 85210-61-3 CAPLUS  
CN Benzamide, N-[2-oxo-2-(2-thienyl)ethyl]- (9CI) (CA INDEX NAME)



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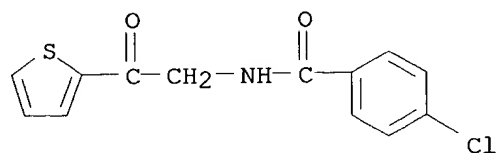
RN 85210-64-6 CAPLUS

CN Benzamide, 4-fluoro-N-[2-oxo-2-(2-thienyl)ethyl]- (9CI) (CA INDEX NAME)



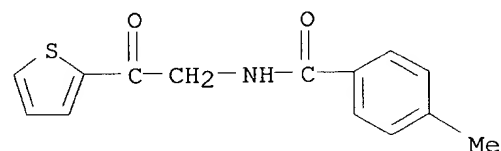
RN 85210-65-7 CAPLUS

CN Benzamide, 4-chloro-N-[2-oxo-2-(2-thienyl)ethyl]- (9CI) (CA INDEX NAME)



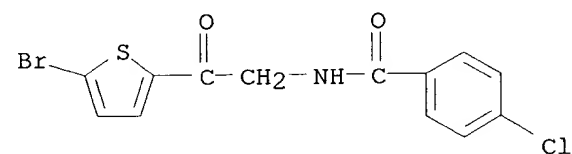
RN 99923-43-0 CAPLUS

CN Benzamide, 4-methyl-N-[2-oxo-2-(2-thienyl)ethyl]- (9CI) (CA INDEX NAME)



RN 99923-44-1 CAPLUS

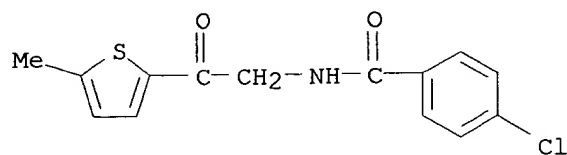
CN Benzamide, N-[2-(5-bromo-2-thienyl)-2-oxoethyl]-4-chloro- (9CI) (CA INDEX NAME)



RN 99923-45-2 CAPLUS

CN Benzamide, 4-chloro-N-[2-(5-methyl-2-thienyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

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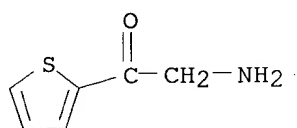


IT 70996-65-5 89102-67-0 100044-40-4

RL: RCT (Reactant); RACT (Reactant or reagent)  
(N-acylation of)

RN 70996-65-5 CAPLUS

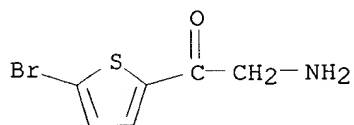
CN Ethanone, 2-amino-1-(2-thienyl)-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 89102-67-0 CAPLUS

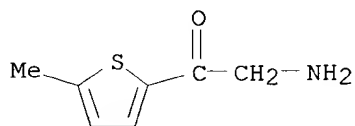
CN Ethanone, 2-amino-1-(5-bromo-2-thienyl)-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 100044-40-4 CAPLUS

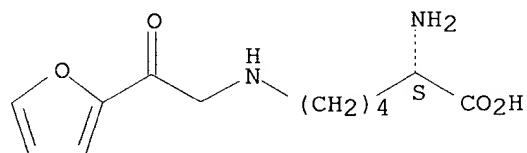
CN Ethanone, 2-amino-1-(5-methyl-2-thienyl)-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

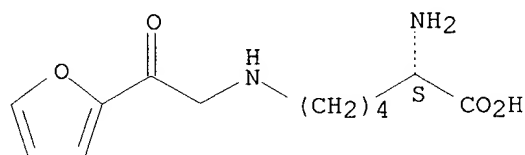
L5 ANSWER 265 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1986:105304 CAPLUS  
DN 104:105304  
TI Furosine derived from glucosylated hemoglobin  
AU Hatanaka, Hiroshi; Kitamura, Yoshiaki; Nishimoto, Shigeki; Matsumoto, Shinichiro; Ishikawa, Kazuo; Kawasaki, Tomihiro; Kubota, Shinzo; Tanke, Genyo; Yoshimura, Yukio; et al.  
CS Sch. Med., Kobe Univ., Kobe, 650, Japan  
SO Tonyobyo (Tokyo, Japan) (1985), 28(10), 1171-4  
CODEN: TONYA4; ISSN: 0021-437X  
DT Journal  
LA Japanese  
IT **19746-33-9**  
RL: ANST (Analytical study)  
(detn. of glucosylated Hb-derived, of humans by reversed-phase HPLC)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 266 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1986:105303 CAPLUS  
DN 104:105303  
TI Measurement of glycosylated plasma protein using furosine determination and its clinical application for diabetic control  
AU Oimomi, Munetada; Ishikawa, Kazuo; Hatanaka, Hiroshi; Kawasaki, Tomihiro; Kubota, Shinzo; Takagi, Kiyoshi; Tanke, Genyo; Yoshimura, Yukio; Baba, Shigeaki  
CS Sch. Med., Kobe Univ., Kobe, Japan  
SO Tonyobyo (Tokyo, Japan) (1985), 28(10), 1119-24  
CODEN: TONYA4; ISSN: 0021-437X  
DT Journal  
LA Japanese  
IT **19746-33-9**  
RL: ANST (Analytical study)  
(detn. of glycoprotein-derived, in blood plasma by HPLC)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

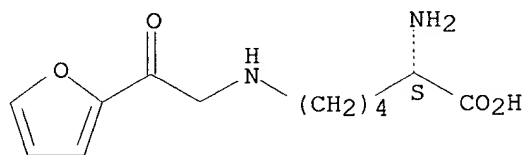
Absolute stereochemistry.



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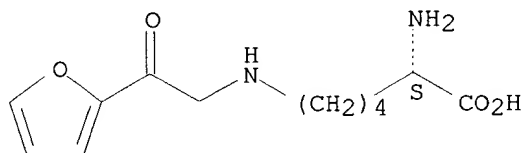
L5 ANSWER 267 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1986:84648 CAPLUS  
DN 104:84648  
TI A specific method of glycosylated hemoglobin using furosine measurement  
AU Oimomi, Munetada; Nishimoto, Shigeki; Matsumoto, Shinichiro; Hatanaka, Hiroshi; Ishikawa, Kazuo; Baba, Shigeaki  
CS Sch. Med., Kobe Univ., Kobe, 650, Japan  
SO Diabetes Research and Clinical Practice (1985), 1(4), 193-5  
CODEN: DRCPE9; ISSN: 0168-8227  
DT Journal  
LA English  
IT **19746-33-9**  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. of, by HPLC in human glycoHb detn.)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 268 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1985:615759 CAPLUS  
DN 103:215759  
TI Determination of furosine by gas-liquid chromatography  
AU Buser, W.; Erbersdobler, H. F.  
CS Untersuchungsinst. Sanitaetsdienstes Bundeswehr, Kronshagen, 2300, Fed. Rep. Ger.  
SO Journal of Chromatography (1985), 346, 363-8  
CODEN: JOCRAM; ISSN: 0021-9673  
DT Journal  
LA English  
IT **19746-33-9**  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. of, by gas-liq. chromatog.)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



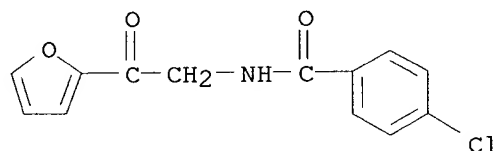
L5 ANSWER 269 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1985:615284 CAPLUS  
DN 103:215284



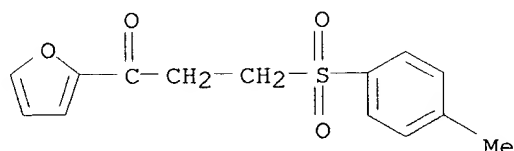
V. Balasubramanian

TI (Fluoroalkyl)imidazoles  
PA Tanabe Seiyaku Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 11 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 60034951	A2	19850222	JP 1984-146678	19840713
	JP 05044456	B4	19930706		
	GB 2144408	A1	19850306	GB 1983-21000	19830804
PRAI	GB 1983-21000		19830804		
IT	<b>88352-87-8P</b>				
	RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)				
RN	88352-87-8	CAPLUS			
CN	Benzamide, 4-chloro-N-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)				



L5 ANSWER 270 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1985:437153 CAPLUS  
DN 103:37153  
TI Preparation of .gamma.-hydroxysulfones  
AU Messinger, Paul; Von Vietinghoff-Scheel, Rudolf  
CS Inst. Pharm. Chem., Univ. Hamburg, Hamburg, 2000/13, Fed. Rep. Ger.  
SO Archiv der Pharmazie (Weinheim, Germany) (1985), 318(5), 445-51  
CODEN: ARPMAS; ISSN: 0365-6233  
DT Journal  
LA German  
OS CASREACT 103:37153  
IT **50366-61-5**  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(redn. of, .gamma.-hydroxypropyl sulfone by)  
RN 50366-61-5 CAPLUS  
CN 1-Propanone, 1-(2-furanyl)-3-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 271 OF 409 CAPLUS COPYRIGHT 2003 ACS

V. Balasubramanian

AN 1985:422598 CAPLUS  
DN 103:22598  
TI Tetrazole derivatives as antiulcers  
PA Tanabe Seiyaku Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 9 pp.  
CODEN: JKXXAF

DT Patent  
LA Japanese

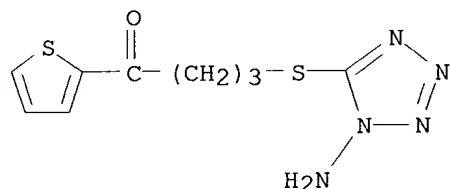
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 60041669	A2	19850305	JP 1983-148604	19830812
PRAI	JP 1983-148604		19830812		
OS	CASREACT 103:22598				
IT	<b>97096-46-3P</b>				

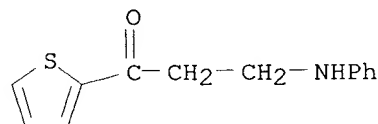
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. and antisecretory activity of)

RN 97096-46-3 CAPLUS

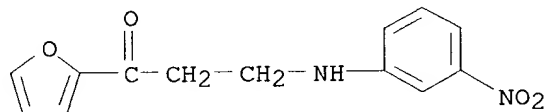
CN 1-Butanone, 4-[(1-amino-1H-tetrazol-5-yl)thio]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



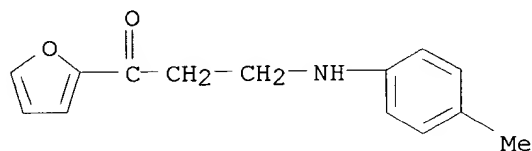
L5 ANSWER 272 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1985:166839 CAPLUS  
DN 102:166839  
TI Synthesis of heterocyclic compounds: part XXVI - 3,6-diaryl-3,4-dihydro-1,3,2-oxazaphosphorin 2-oxides  
AU Modak, A. S.; Gogte, V. N.; Tilak, B. D.  
CS Natl. Chem. Lab., Pune, 411 008, India  
SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1984), 23B(10), 907-13  
CODEN: IJSBDB; ISSN: 0376-4699  
DT Journal  
LA English  
OS CASREACT 102:166839  
IT **21280-44-4**  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(cyclization of, with phosphorus oxychloride)  
RN 21280-44-4 CAPLUS  
CN 1-Propanone, 3-(phenylamino)-1-(2-thienyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 273 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1985:6087 CAPLUS  
DN 102:6087  
TI Mannich reaction with arylamine as the amino component. IV. Synthesis of  
.beta.-arylamino ketones using arylamine hydrochloride and heterocyclic  
ketone  
AU Xu, Xiujuan; Yuan, Qibin; Chen, Guangxu  
CS Dep. Chem., Beijing Norm. Univ., Beijing, Peop. Rep. China  
SO Huaxue Xuebao (1984), 42(7), 688-92  
CODEN: HHHPA4; ISSN: 0567-7351  
DT Journal  
LA Chinese  
OS CASREACT 102:6087  
IT 15057-32-6P 15057-34-8P 15147-02-1P  
15147-15-6P 15263-10-2P 21280-44-4P  
93523-00-3P 93523-01-4P 93523-02-5P  
93523-03-6P 93523-10-5P 93523-11-6P  
93523-12-7P 93523-13-8P 93523-14-9P  
93523-15-0P 93523-16-1P 93523-17-2P  
93523-18-3P 93523-19-4P 93523-20-7P  
93523-21-8P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)  
RN 15057-32-6 CAPLUS  
CN 1-Propanone, 1-(2-furanyl)-3-[(3-nitrophenyl)amino]- (9CI) (CA INDEX  
NAME)

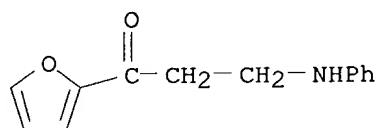


RN 15057-34-8 CAPLUS  
CN 1-Propanone, 1-(2-furanyl)-3-[(4-methylphenyl)amino]- (9CI) (CA INDEX  
NAME)



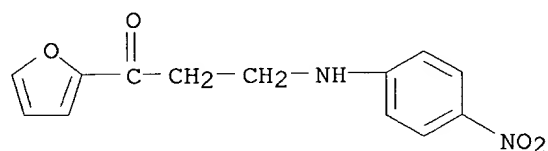
RN 15147-02-1 CAPLUS  
CN 1-Propanone, 1-(2-furanyl)-3-(phenylamino)- (9CI) (CA INDEX NAME)

V. Balasubramanian



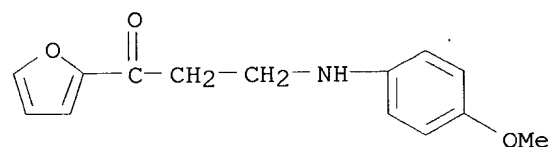
RN 15147-15-6 CAPLUS

CN 1-Propanone, 1-(2-furanyl)-3-[(4-nitrophenyl)amino]- (9CI) (CA INDEX NAME)



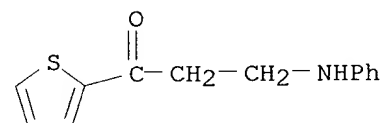
RN 15263-10-2 CAPLUS

CN 1-Propanone, 1-(2-furanyl)-3-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



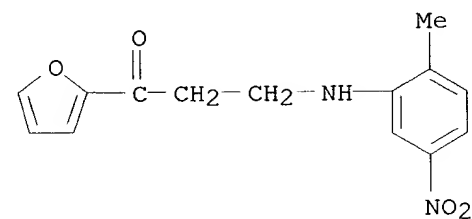
RN 21280-44-4 CAPLUS

CN 1-Propanone, 3-(phenylamino)-1-(2-thienyl)- (9CI) (CA INDEX NAME)



RN 93523-00-3 CAPLUS

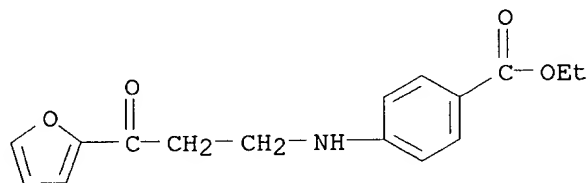
CN 1-Propanone, 1-(2-furanyl)-3-[(2-methyl-5-nitrophenyl)amino]- (9CI) (CA INDEX NAME)



V. Balasubramanian

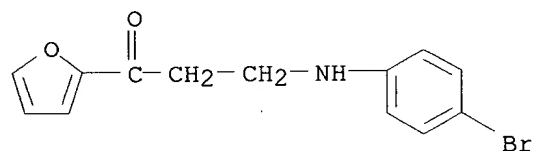
RN 93523-01-4 CAPLUS

CN Benzoic acid, 4-[[3-(2-furanyl)-3-oxopropyl]amino]-, ethyl ester (9CI)  
(CA INDEX NAME)



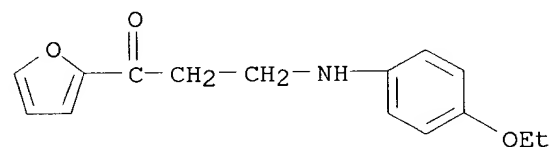
RN 93523-02-5 CAPLUS

CN 1-Propanone, 3-[(4-bromophenyl)amino]-1-(2-furanyl)- (9CI) (CA INDEX NAME)



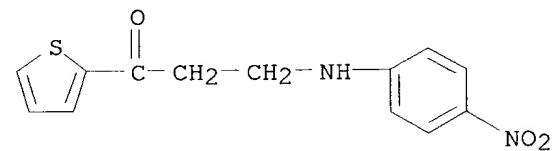
RN 93523-03-6 CAPLUS

CN 1-Propanone, 3-[(4-ethoxyphenyl)amino]-1-(2-furanyl)- (9CI) (CA INDEX NAME)



RN 93523-10-5 CAPLUS

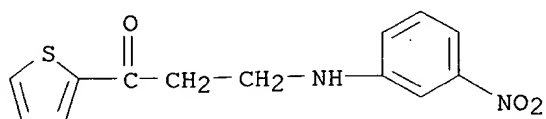
CN 1-Propanone, 3-[(4-nitrophenyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



RN 93523-11-6 CAPLUS

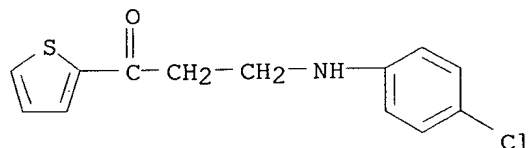
CN 1-Propanone, 3-[(3-nitrophenyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)

V. Balasubramanian



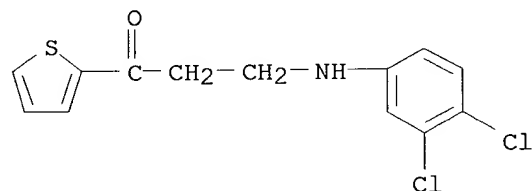
RN 93523-12-7 CAPLUS

CN 1-Propanone, 3-[(4-chlorophenyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



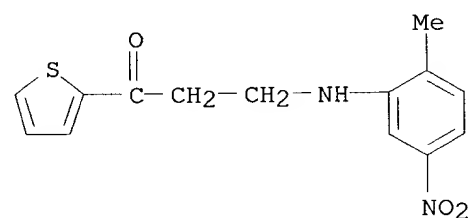
RN 93523-13-8 CAPLUS

CN 1-Propanone, 3-[(3,4-dichlorophenyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



RN 93523-14-9 CAPLUS

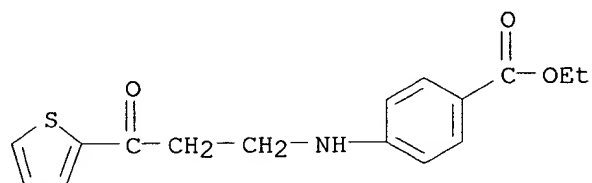
CN 1-Propanone, 3-[(2-methyl-5-nitrophenyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



RN 93523-15-0 CAPLUS

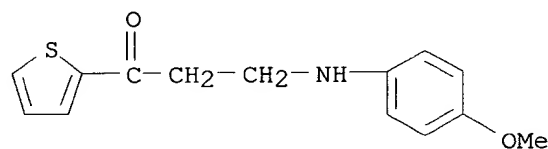
CN Benzoic acid, 4-[[3-oxo-3-(2-thienyl)propyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

V. Balasubramanian



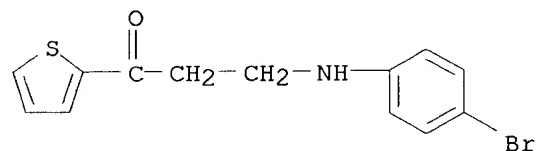
RN 93523-16-1 CAPLUS

CN 1-Propanone, 3-[(4-methoxyphenyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



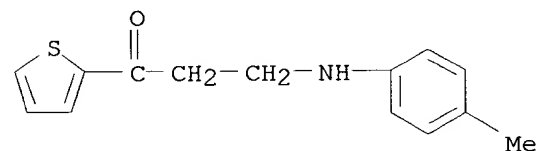
RN 93523-17-2 CAPLUS

CN 1-Propanone, 3-[(4-bromophenyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



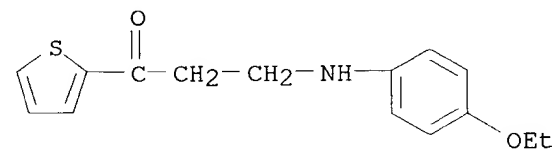
RN 93523-18-3 CAPLUS

CN 1-Propanone, 3-[(4-methylphenyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



RN 93523-19-4 CAPLUS

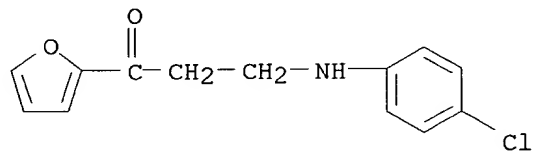
CN 1-Propanone, 3-[(4-ethoxyphenyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



V. Balasubramanian

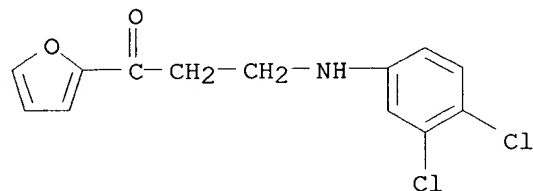
RN 93523-20-7 CAPLUS

CN 1-Propanone, 3-[(4-chlorophenyl)amino]-1-(2-furanyl)- (9CI) (CA INDEX NAME)



RN 93523-21-8 CAPLUS

CN 1-Propanone, 3-[(3,4-dichlorophenyl)amino]-1-(2-furanyl)- (9CI) (CA INDEX NAME)



LS ANSWER 274 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1984:611047 CAPLUS

DN 101:211047

TI Syntheses of 2-mercapto-4-substituted imidazole derivatives with antiinflammatory properties

AU Maeda, Sadao; Suzuki, Mamoru; Iwasaki, Tameo; Matsumoto, Kazuo; Iwasawa, Yoshio

CS Res. Lab. Appl. Biochem., Tanabe Seiyaku Co., Ltd., Osaka, 532, Japan

SO Chemical & Pharmaceutical Bulletin (1984), 32(7), 2536-43

CODEN: CPBTAL; ISSN: 0009-2363

DT Journal

LA English

OS CASREACT 101:211047

IT **70996-65-5P**

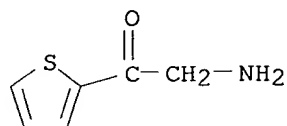
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. and reaction of, with thiocyanate)

RN 70996-65-5 CAPLUS

CN Ethanone, 2-amino-1-(2-thienyl)-, hydrochloride (9CI) (CA INDEX NAME)



V. Balasubramanian



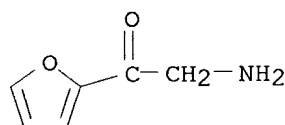
● HCl

IT **88352-86-7P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN 88352-86-7 CAPLUS

CN Ethanone, 2-amino-1-(2-furanylmethyl)-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

L5 ANSWER 275 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1984:510812 CAPLUS

DN 101:110812

TI Studies on the chlorination of organic compounds and transformations of  
chlorinated derivatives. XIX. Aminomethylation of 2-acyl-3,4,5-

trichlorothiophenes and the study of some reactions of Mannich bases

AU Saakyan, A. M.; Safaryan, A. A.; Akopyan, A. N.

CS USSR

SO Armyanskii Khimicheskii Zhurnal (1984), 37(4), 261-5

CODEN: AYKZAN; ISSN: 0515-9628

DT Journal

LA Russian

OS CASREACT 101:110812

IT **91707-96-9P 91707-97-0P 91707-98-1P**

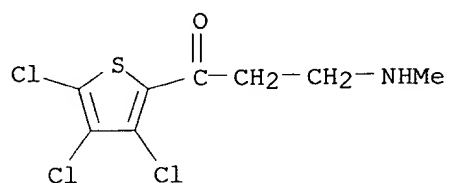
**91708-00-8P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN 91707-96-9 CAPLUS

CN 1-Propanone, 3-(methyamino)-1-(3,4,5-trichloro-2-thienyl)-, hydrochloride  
(9CI) (CA INDEX NAME)

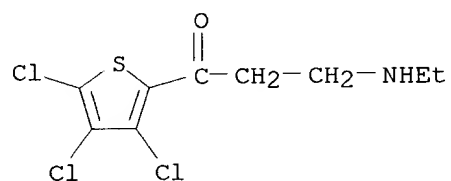
V. Balasubramanian



● HCl

RN 91707-97-0 CAPLUS

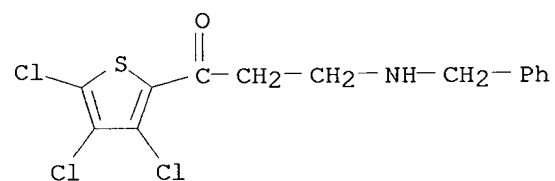
CN 1-Propanone, 3-(ethylamino)-1-(3,4,5-trichloro-2-thienyl)-, hydrochloride  
(9CI) (CA INDEX NAME)



● HCl

RN 91707-98-1 CAPLUS

CN 1-Propanone, 3-[(phenylmethyl)amino]-1-(3,4,5-trichloro-2-thienyl)-,  
hydrochloride (9CI) (CA INDEX NAME)

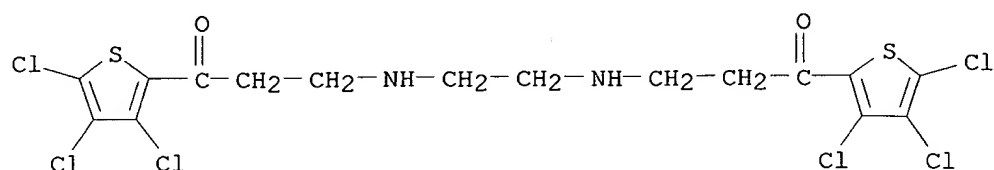


● HCl

RN 91708-00-8 CAPLUS

CN 1-Propanone, 3,3'-(1,2-ethanediyldiimino)bis[1-(3,4,5-trichloro-2-thienyl)-,  
dihydrochloride (9CI) (CA INDEX NAME)

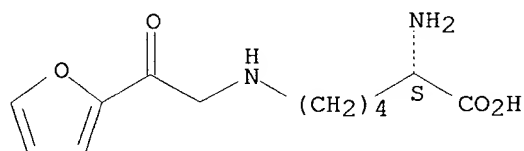
V. Balasubramanian



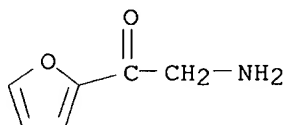
● 2 HCl

L5 ANSWER 276 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1984:453456 CAPLUS  
DN 101:53456  
TI Determination of furosine as an indicator of early Maillard products in heated milk  
AU Erbersdobler, H. F.; Reuter, H.; Trautwein, E.  
CS Univ. Kiel, Kiel, D-2300, Fed. Rep. Ger.  
SO Special Publication - Royal Society of Chemistry (1984), (49), 328  
CODEN: SROCDO; ISSN: 0260-6291  
DT Journal  
LA English  
IT **19746-33-9**  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. of, in milk, column chromatog.)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 277 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1984:438387 CAPLUS  
DN 101:38387  
TI Synthesis and stability of 2-oxo isothiocyanates  
AU Bobosik, Vladimir; Piklerova, Anna; Martvon, Augustin  
CS Dep. Org. Chem., Slovak Inst. Technol., Bratislava, 812 37, Czech.  
SO Collection of Czechoslovak Chemical Communications (1983), 48(12), 3421-5  
CODEN: CCCCAK; ISSN: 0366-547X  
DT Journal  
LA English  
OS CASREACT 101:38387  
IT **88352-86-7**  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, with thiophosgene)  
RN 88352-86-7 CAPLUS  
CN Ethanone, 2-amino-1-(2-furanyl)-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

L5 ANSWER 278 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1984:120778 CAPLUS  
 DN 100:120778  
 TI Antibacterial 1-normon-2-yl-heterocyclic compounds  
 IN Rogers, Norman Harold; O'Hanlon, Peter John; Walker, Graham; Crimmin, Michael John  
 PA Beecham Group PLC, UK  
 SO Eur. Pat. Appl., 133 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 87953	A2	19830907	EP 1983-301022	19830225
	EP 87953	A3	19840530		
	EP 87953	B1	19880427		
	R: BE, CH, DE, FR, GB, IT, LI, NL, SE				
	DK 8300954	A	19830828	DK 1983-954	19830225
	DK 163305	B	19920217		
	DK 163305	C	19920803		
	AU 8311853	A1	19830901	AU 1983-11853	19830225
	AU 563067	B2	19870625		
	ZA 8301303	A	19831130	ZA 1983-1303	19830225
	ES 520132	A1	19840401	ES 1983-520132	19830225
	CA 1195983	A1	19851029	CA 1983-422461	19830225
	US 4812470	A	19890314	US 1983-469819	19830225
	JP 58159491	A2	19830921	JP 1983-31707	19830226
	JP 06004627	B4	19940119		
	ES 526295	A1	19870401	ES 1983-526295	19831006
	US 5041567	A	19910820	US 1988-276910	19881128
PRAI	GB 1982-5842		19820227		
	GB 1982-30800		19821028		
	US 1983-469819		19830225		

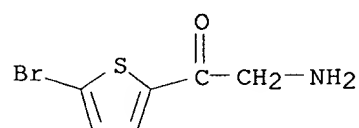
IT **89102-67-0P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (prepn. and amidation of monic acid by)

RN 89102-67-0 CAPLUS

CN Ethanone, 2-amino-1-(5-bromo-2-thienyl)-, hydrochloride (9CI) (CA INDEX  
 NAME)

V. Balasubramanian



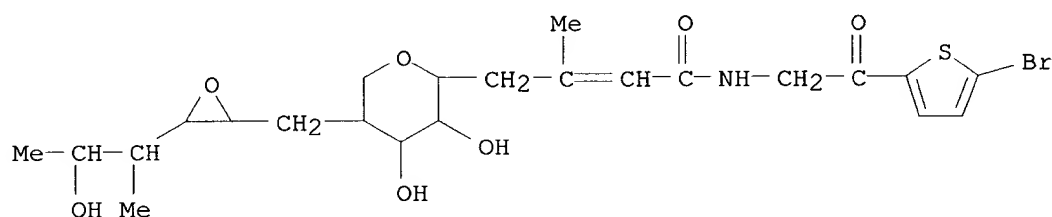
● HCl

IT 89102-68-1P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(prepn. and bactericidal activity of)

RN 89102-68-1 CAPLUS

CN L-talo-Non-2-enonamide, 5,9-anhydro-N-[2-(5-bromo-2-thienyl)-2-oxoethyl]-2,3,4,8-tetradexoxy-8-[[3-(2-hydroxy-1-methylpropyl)oxiranyl]methyl]-3-methyl-, [2E,8[2S,3S(1S,2S)]]- (9CI) (CA INDEX NAME)



L5 ANSWER 279 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1984:34528 CAPLUS

DN 100:34528

TI Furyloxazolylacetic acid derivatives, and pharmaceutical compositions containing them

IN Matsumoto, Kazuo; Takashima, Kohki

PA Tanabe Seiyaku Co., Ltd., Japan

SO Eur. Pat. Appl., 50 pp.

CODEN: EPXXDW

DT Patent

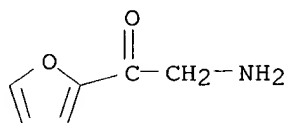
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 87782	A1	19830907	EP 1983-101872	19830225
	EP 87782	B1	19860521		
	R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
	JP 58148882	A2	19830905	JP 1982-30921	19820226
	JP 63005027	B4	19880201		
	US 4642313	A	19870210	US 1983-465544	19830210
	CA 1194483	A1	19851001	CA 1983-422117	19830222
	DK 8300825	A	19830827	DK 1983-825	19830223
	ES 520136	A1	19840401	ES 1983-520136	19830225
	HU 31152	O	19840428	HU 1983-658	19830225

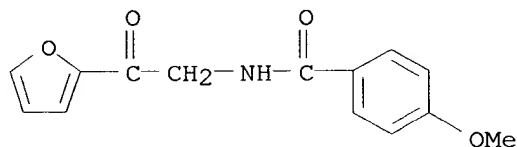
V. Balasubramanian

HU 193648 B 19871130  
SU 1169536 A3 19850723 SU 1983-3555401 19830225  
AT 19879 E 19860615 AT 1983-101872 19830225  
PRAI JP 1982-30921 19820226  
EP 1983-101872 19830225  
OS CASREACT 100:34528  
IT **88352-86-7**  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(acylation of)  
RN 88352-86-7 CAPLUS  
CN Ethanone, 2-amino-1-(2-furanyl)-, hydrochloride (9CI) (CA INDEX NAME)

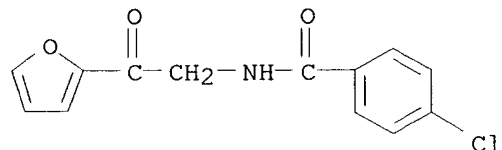


● HCl

IT **88352-95-8P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(prepn. and hydrolysis of)  
RN 88352-95-8 CAPLUS  
CN Benzamide, N-[2-(2-furanyl)-2-oxoethyl]-4-methoxy- (9CI) (CA INDEX NAME)



IT **88352-87-8P 88352-92-5P 88352-93-6P**  
**88352-94-7P 88352-96-9P 88352-97-0P**  
**88352-98-1P 88352-99-2P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(prepn. and reaction of, with bromoacetate)  
RN 88352-87-8 CAPLUS  
CN Benzamide, 4-chloro-N-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

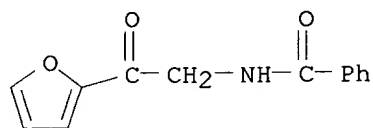


RN 88352-92-5 CAPLUS

09/817,374

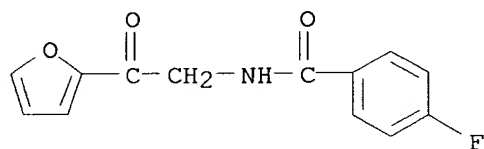
V. Balasubramanian

CN Benzamide, N-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)



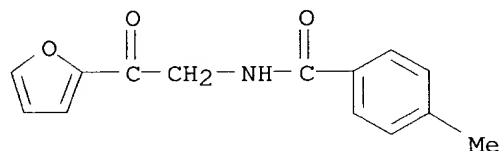
RN 88352-93-6 CAPLUS

CN Benzamide, 4-fluoro-N-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)



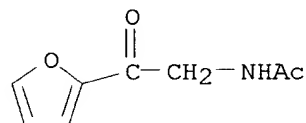
RN 88352-94-7 CAPLUS

CN Benzamide, N-[2-(2-furanyl)-2-oxoethyl]-4-methyl- (9CI) (CA INDEX NAME)



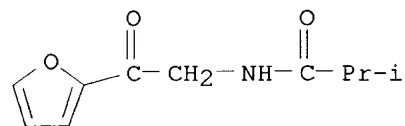
RN 88352-96-9 CAPLUS

CN Acetamide, N-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 88352-97-0 CAPLUS

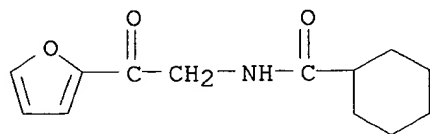
CN Propanamide, N-[2-(2-furanyl)-2-oxoethyl]-2-methyl- (9CI) (CA INDEX NAME)



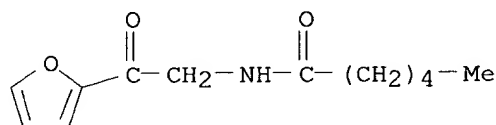
RN 88352-98-1 CAPLUS

CN Cyclohexanecarboxamide, N-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

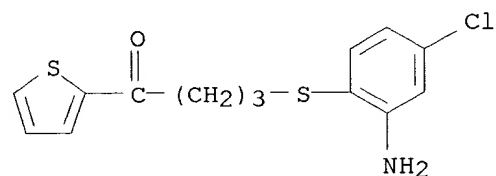
V. Balasubramanian



RN 88352-99-2 CAPLUS  
CN Hexanamide, N-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 280 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1984:34522 CAPLUS  
DN 100:34522  
TI Synthesis and some reactions of 5-aryl-3,4-dihydro-2H-1,6-benzoxazocine  
and 5-aryl-3,4-dihydro-2H-1,6-benzothiazocines  
AU Press, Jeffery B.; Eudy, Nancy H.  
CS Lederle Lab., Am. Cyanamid Co., Pearl River, NY, 10965, USA  
SO Journal of Organic Chemistry (1984), 49(1), 116-22  
CODEN: JOCEAH; ISSN: 0022-3263  
DT Journal  
LA English  
OS CASREACT 100:34522  
IT **87696-88-6P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)  
RN 87696-88-6 CAPLUS  
CN 1-Butanone, 4-[(2-amino-4-chlorophenyl)thio]-1-(2-thienyl)- (9CI) (CA  
INDEX NAME)



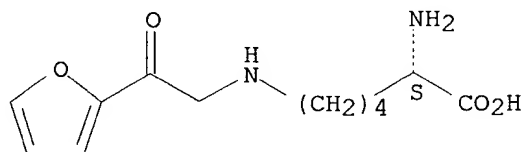
L5 ANSWER 281 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1983:593258 CAPLUS  
DN 99:193258  
TI A simple and rapid high-performance liquid chromatographic procedure for  
determination of furosine, a lysine-reducing sugar derivative  
AU Chiang, Grace H.  
CS Carnation Res. Lab., Van Nuys, CA, 91412, USA  
SO Journal of Agricultural and Food Chemistry (1983), 31(6), 1373-4



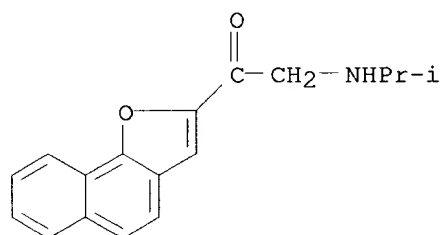
V. Balasubramanian

CODEN: JAFCAU; ISSN: 0021-8561  
DT Journal  
LA English  
IT **19746-33-9**  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. of, in food, by high-performance liq. chromatog., Maillard  
reaction in relation to)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 282 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1983:533279 CAPLUS  
DN 99:133279  
TI Naphthofuran derivatives with possible .beta.-adrenolytic effects  
AU Garuti, L.; Ferranti, A.; Giovanninetti, G.; Gaggi, R.  
CS Ist. Chim. Farm. Tossicol., Univ. Bologna, Italy  
SO Farmaco, Edizione Scientifica (1983), 38(7), 527-32  
CODEN: FRPSAX; ISSN: 0430-0920  
DT Journal  
LA Italian  
IT **87004-82-8P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(prepn. and redn. of)  
RN 87004-82-8 CAPLUS  
CN Ethanone, 2-[(1-methylethyl)amino]-1-naphtho[1,2-b]furan-2-yl- (9CI) (CA  
INDEX NAME)



L5 ANSWER 283 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1983:143428 CAPLUS  
DN 98:143428  
TI Tetrazole antiulcer agents  
PA Otsuka Pharmaceutical Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 67 pp.  
CODEN: JKXXAF  
DT Patent

V. Balasubramanian

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 57158767	A2	19820930	JP 1981-44819	19810326
	JP 02033017	B4	19900725		
PRAI	JP 1981-44819		19810326		

OS CASREACT 98:143428

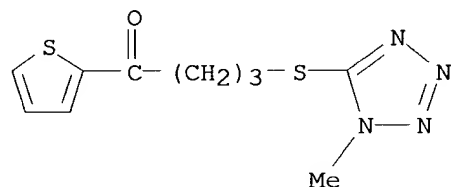
IT 80087-46-3P 80087-47-4P 80087-48-5P

80087-49-6P 80087-58-7P 80087-61-2P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of, as antiulcer agent)

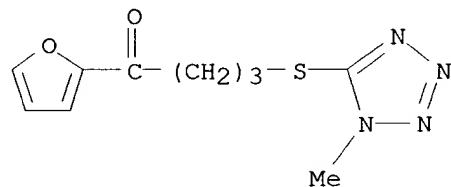
RN 80087-46-3 CAPLUS

CN 1-Butanone, 4-[(1-methyl-1H-tetrazol-5-yl)thio]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



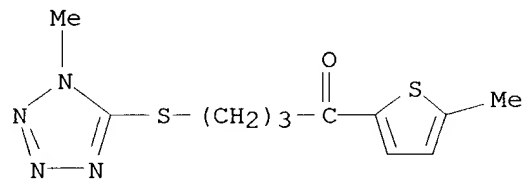
RN 80087-47-4 CAPLUS

CN 1-Butanone, 1-(2-furanyl)-4-[(1-methyl-1H-tetrazol-5-yl)thio]- (9CI) (CA INDEX NAME)



RN 80087-48-5 CAPLUS

CN 1-Butanone, 4-[(1-methyl-1H-tetrazol-5-yl)thio]-1-(5-methyl-2-thienyl)- (9CI) (CA INDEX NAME)

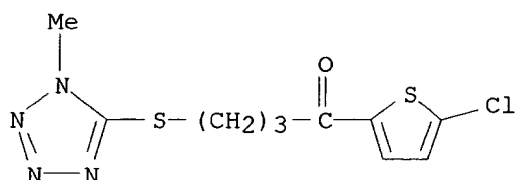


RN 80087-49-6 CAPLUS

CN 1-Butanone, 1-(5-chloro-2-thienyl)-4-[(1-methyl-1H-tetrazol-5-yl)thio]- (9CI) (CA INDEX NAME)

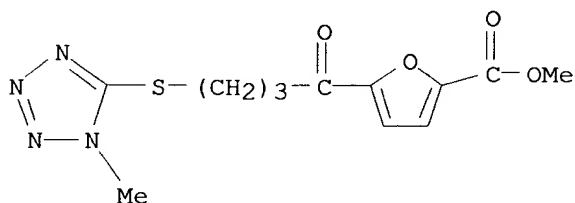
09/817,374

V. Balasubramanian



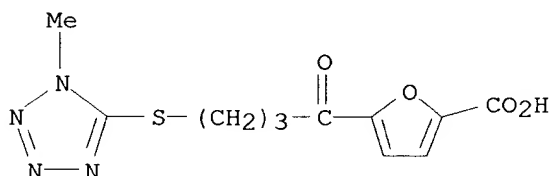
RN 80087-58-7 CAPLUS

CN 2-Furancarboxylic acid, 5-[4-[(1-methyl-1H-tetrazol-5-yl)thio]-1-oxobutyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 80087-61-2 CAPLUS

CN 2-Furancarboxylic acid, 5-[4-[(1-methyl-1H-tetrazol-5-yl)thio]-1-oxobutyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 284 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1983:143400 CAPLUS

DN 98:143400

TI Thienyloxazolylacetic acid derivatives

IN Matsumoto, Kazuo; Takashima, Kohki

PA Tanabe Seiyaku Co., Ltd. , Japan

SO Eur. Pat. Appl., 42 pp.

CODEN: EPXXDW

DT Patent

LA English

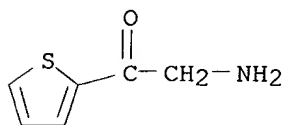
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 65145	A1	19821124	EP 1982-103636	19820428
	EP 65145	B1	19841003		
	R: CH, DE, FR, GB				
PRAI	JP 1981-73771		19810515		
IT	<b>70996-65-5P</b>				
	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)				

09/817,374

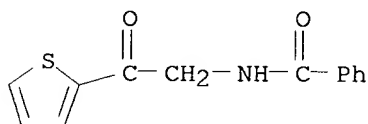
V. Balasubramanian

(prepn. and benzylation of)  
RN 70996-65-5 CAPLUS  
CN Ethanone, 2-amino-1-(2-thienyl)-, hydrochloride (9CI) (CA INDEX NAME)

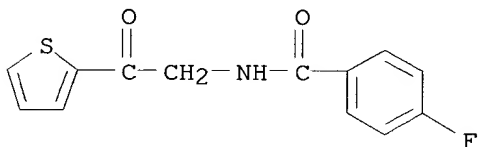


● HCl

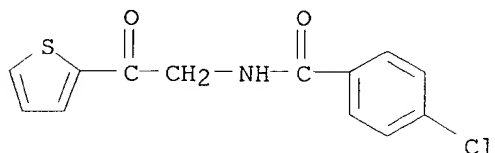
IT **85210-61-3P 85210-64-6P 85210-65-7P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. and condensation with bromoacetate)  
RN 85210-61-3 CAPLUS  
CN Benzamide, N-[2-oxo-2-(2-thienyl)ethyl]- (9CI) (CA INDEX NAME)



RN 85210-64-6 CAPLUS  
CN Benzamide, 4-fluoro-N-[2-oxo-2-(2-thienyl)ethyl]- (9CI) (CA INDEX NAME)



RN 85210-65-7 CAPLUS  
CN Benzamide, 4-chloro-N-[2-oxo-2-(2-thienyl)ethyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 285 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1982:615890 CAPLUS  
DN 97:215890  
TI Derivatives of 7-.beta.-(ketoximinoacylamido)ceph-3-em-4-carboxylic acids

09/817,374

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and their pharmaceutical compositions  
IN Bellani, Piero; Bolis, Goffredo; Broccali, Giampietro; Giani, Roberto;  
Pinza, Mario  
PA I.S.F. S.p.A., Italy  
SO Eur. Pat. Appl., 41 pp.  
CODEN: EPXXDW  
DT Patent  
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 54970	A2	19820630	EP 1981-110739	19811223
	EP 54970	A3	19830323		
	EP 54970	B1	19850717		
	R: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
	US 4465831	A	19840814	US 1981-332326	19811218
	ES 508257	A1	19830201	ES 1981-508257	19811222
	JP 57130987	A2	19820813	JP 1981-207291	19811223
	AT 14314	E	19850815	AT 1981-110739	19811223
	CA 1174233	A1	19840911	CA 1981-393212	19811224
PRAI	IT 1980-26945		19801224		
	EP 1981-110739		19811223		

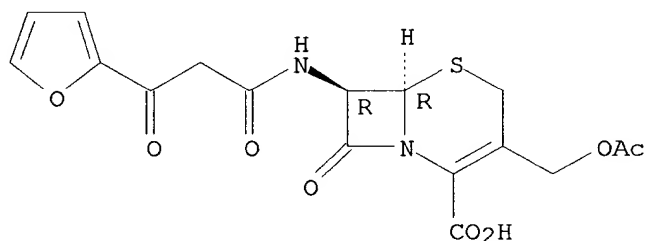
IT 80045-79-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(prepn. and oximation of)

RN 80045-79-0 CAPLUS

CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,  
3-[(acetyloxy)methyl]-7-[[3-(2-furanyl)-1,3-dioxopropyl]amino]-8-oxo-,  
(6R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 286 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1982:527487 CAPLUS

DN 97:127487

TI Thiophene derivatives

PA Otsuka Pharmaceutical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 16 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 57064691	A2	19820419	JP 1980-139120	19801003

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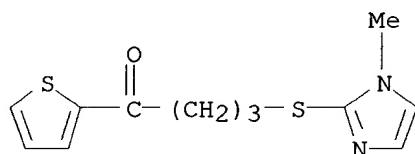
JP 02012228 B4 19900319  
PRAI JP 1980-139120 19801003  
OS CASREACT 97:127487

IT 82929-29-1P 82929-30-4P 82929-31-5P  
82929-32-6P 82929-33-7P 82929-34-8P  
82929-35-9P 82929-36-0P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(prepn. and antiulcer activity of)

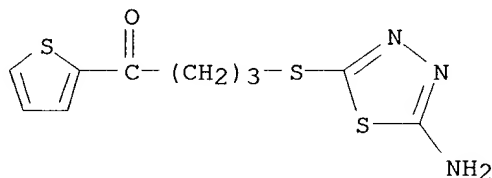
RN 82929-29-1 CAPLUS

CN 1-Butanone, 4-[(1-methyl-1H-imidazol-2-yl)thio]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



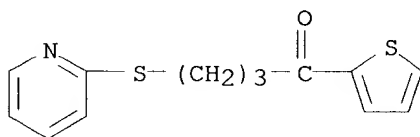
RN 82929-30-4 CAPLUS

CN 1-Butanone, 4-[(5-amino-1,3,4-thiadiazol-2-yl)thio]-1-(2-thienyl)- (9CI)  
(CA INDEX NAME)



RN 82929-31-5 CAPLUS

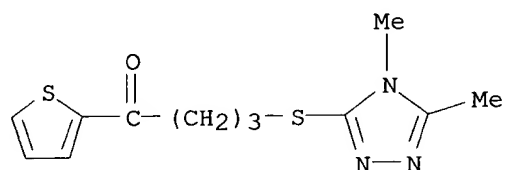
CN 1-Butanone, 4-(2-pyridinylthio)-1-(2-thienyl)- (9CI) (CA INDEX NAME)



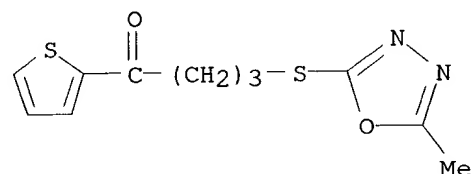
RN 82929-32-6 CAPLUS

CN 1-Butanone, 4-[(4,5-dimethyl-4H-1,2,4-triazol-3-yl)thio]-1-(2-thienyl)-  
(9CI) (CA INDEX NAME)

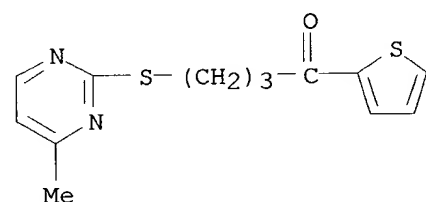
V. Balasubramanian



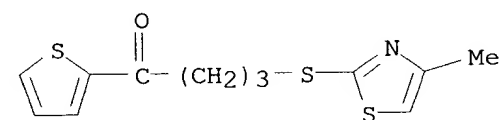
RN 82929-33-7 CAPLUS  
CN 1-Butanone, 4-[(5-methyl-1,3,4-oxadiazol-2-yl)thio]-1-(2-thienyl)- (9CI)  
(CA INDEX NAME)



RN 82929-34-8 CAPLUS  
CN 1-Butanone, 4-[(4-methyl-2-pyrimidinyl)thio]-1-(2-thienyl)- (9CI) (CA  
INDEX NAME)

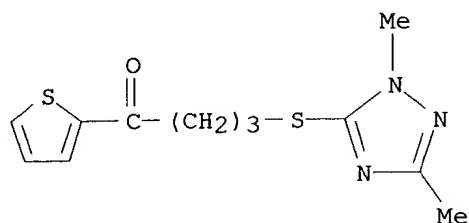


RN 82929-35-9 CAPLUS  
CN 1-Butanone, 4-[(4-methyl-2-thiazolyl)thio]-1-(2-thienyl)- (9CI) (CA INDEX  
NAME)



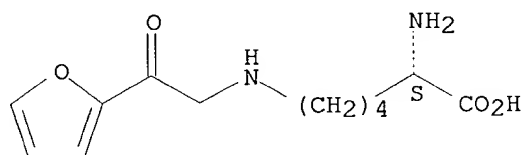
RN 82929-36-0 CAPLUS  
CN 1-Butanone, 4-[(1,3-dimethyl-1H-1,2,4-triazol-5-yl)thio]-1-(2-thienyl)-  
(9CI) (CA INDEX NAME)

V. Balasubramanian



L5 ANSWER 287 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1982:508597 CAPLUS  
DN 97:108597  
TI Studies on alterations of the lysine of food proteins. I. Degree of lysine destruction  
AU Steinig, Jutta; Montag, Alfred  
CS Univ. Hamburg, Hamburg, D-2000/13, Fed. Rep. Ger.  
SO Zeitschrift fuer Lebensmittel-Untersuchung und -Forschung (1982), 174(6), 453-7  
CODEN: ZLUFAR; ISSN: 0044-3026  
DT Journal  
LA German  
IT **19746-33-9**  
RL: BIOL (Biological study)  
(in lysine bioavailability detn. in food)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

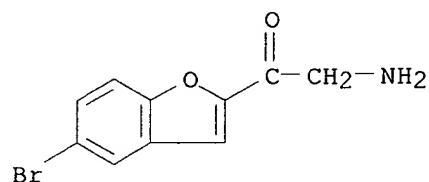
Absolute stereochemistry.



L5 ANSWER 288 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1982:423558 CAPLUS  
DN 97:23558  
TI 5-Bromobenzofuran analog of chloramphenicol (1)  
AU Bevinakatti, Hanamanthsa S.; Badiger, Virupax V.  
CS Dep. Chem., Karnatak Univ., Dharwad, 580003, India  
SO Journal of Heterocyclic Chemistry (1982), 19(1), 69-72  
CODEN: JHTCAD; ISSN: 0022-152X  
DT Journal  
LA English  
IT **82255-77-4P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(prepn. and dichloroacetylation of)  
RN 82255-77-4 CAPLUS  
CN Ethanone, 2-amino-1-(5-bromo-2-benzofuranyl)-, hydrochloride (9CI) (CA INDEX NAME)



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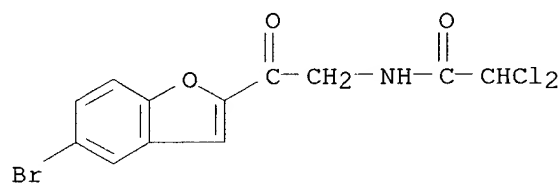
● HCl

IT 82255-79-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. and reaction of, with formaldehyde)

RN 82255-79-6 CAPLUS

CN Acetamide, N-[2-(5-bromo-2-benzofuranyl)-2-oxoethyl]-2,2-dichloro- (9CI)  
(CA INDEX NAME)

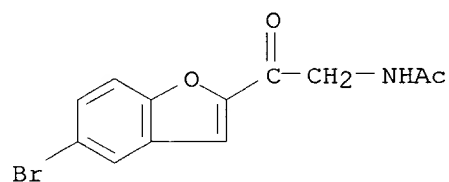


IT 82255-78-5P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN 82255-78-5 CAPLUS

CN Acetamide, N-[2-(5-bromo-2-benzofuranyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 289 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1982:34633 CAPLUS

DN 96:34633

TI An economical and convenient preparation of 2-(phenylthio)cyclobutanone, a synthetic equivalent of cyclobutanone

AU Cohen, Theodore; Ouellette, Daniel; Pushpananda, K.; Senaratne, A.; Yu, Lin-Chen

CS Dep. Chem., Univ. Pittsburgh, Pittsburgh, PA, 15260, USA

SO Tetrahedron Letters (1981), 22(35), 3377-80

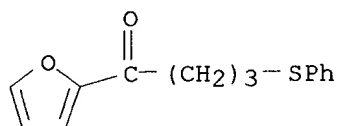
CODEN: TELEAY; ISSN: 0040-4039

DT Journal

09/817,374

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LA English  
IT **80404-79-1P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of, by rearrangement of furyl(phenylthio)cyclobutenol)  
RN 80404-79-1 CAPLUS  
CN 1-Butanone, 1-(2-furanyl)-4-(phenylthio)- (9CI) (CA INDEX NAME)

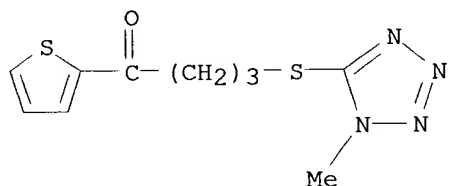


L5 ANSWER 290 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1982:6738 CAPLUS  
DN 96:6738  
TI Tetrazole derivatives and antiulcer composition containing them  
IN Uchida, Minoru; Nishi, Takao; Nakagawa, Kazuyuku  
PA Otsuka Pharmaceutical Co., Ltd. , Japan  
SO Eur. Pat. Appl., 262 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 35228	A1	19810909	EP 1981-101352	19810225
	EP 35228	B1	19850102		
	R: AT, BE, CH, DE, FR, GB, IT, NL, SE				
	AU 533411	B2	19831124	AU 1980-55895	19800226
	AU 8055895	A1	19810903		
	JP 56122363	A2	19810925	JP 1980-25521	19800229
	JP 01023464	B4	19890502		
	CA 1160637	A1	19840117	CA 1980-346746	19800229
	JP 56122364	A2	19810925	JP 1980-25707	19800301
	JP 01022270	B4	19890425		
	JP 56122365	A2	19810925	JP 1980-25708	19800301
	JP 01028022	B4	19890531		
	JP 56122366	A2	19810925	JP 1980-27084	19800303
	JP 01022271	B4	19890425		
	JP 57050968	A2	19820325	JP 1980-128160	19800916
	JP 02048551	B4	19901025		
	JP 57059877	A2	19820410	JP 1980-136902	19800930
	JP 02003786	B4	19900124		
	JP 57064682	A2	19820419	JP 1980-140051	19801006
	JP 01056069	B4	19891128		
	ZA 8100961	A	19820331	ZA 1981-961	19810213
	ZA 8101178	A	19820331	ZA 1981-1178	19810223
	FI 8100571	A	19810830	FI 1981-571	19810224
	FI 73423	B	19870630		
	FI 73423	C	19871009		
	AU 8167638	A1	19810903	AU 1981-67638	19810225
	AU 537266	B2	19840614		
	AT 11047	E	19850115	AT 1981-101352	19810225
	DK 8100880	A	19810830	DK 1981-880	19810226

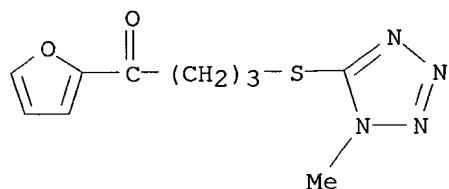
V. Balasubramanian

DK 162524	B	19911111		
DK 162524	C	19920330		
NO 8100675	A	19810831	NO 1981-675	19810227
NO 166320	B	19910325		
NO 166320	C	19910703		
ES 499930	A1	19821116	ES 1981-499930	19810227
US 4372953	A	19830208	US 1981-239044	19810227
CA 1162196	A1	19840214	CA 1981-372021	19810227
SU 1212324	A3	19860215	SU 1981-3252652	19810227
ES 510404	A1	19830201	ES 1982-510404	19820312
ES 510403	A1	19830616	ES 1982-510403	19820312
ES 510405	A1	19830616	ES 1982-510405	19820312
ES 511822	A1	19830201	ES 1982-511822	19820429
ES 520699	A1	19840416	ES 1983-520699	19830316
ES 520900	A1	19840516	ES 1983-520900	19830323
ES 520898	A1	19840601	ES 1983-520898	19830323
ES 520899	A1	19840601	ES 1983-520899	19830323
PRAI JP 1980-25521		19800229		
JP 1980-25707		19800301		
JP 1980-25708		19800301		
JP 1980-27084		19800303		
JP 1980-128160		19800916		
JP 1980-136902		19800930		
JP 1980-140051		19801006		
US 1980-124710		19800226		
EP 1981-101352		19810225		
CA 1983-372021		19830221		
IT 80087-46-3P 80087-47-4P 80087-48-5P				
80087-49-6P				
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)				
(prepn. and antiulcer activity of)				
RN 80087-46-3	CAPLUS			
CN 1-Butanone, 4-[(1-methyl-1H-tetrazol-5-yl)thio]-1-(2-thienyl)-	(9CI)	(CA		
INDEX NAME)				



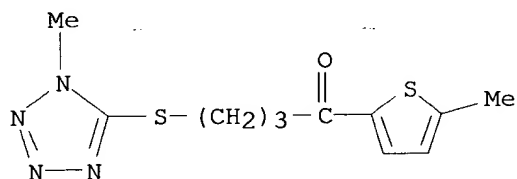
RN 80087-47-4 CAPLUS  
 CN 1-Butanone, 1-(2-furanyl)-4-[(1-methyl-1H-tetrazol-5-yl)thio]- (9CI) (CA  
 INDEX NAME)

V. Balasubramanian



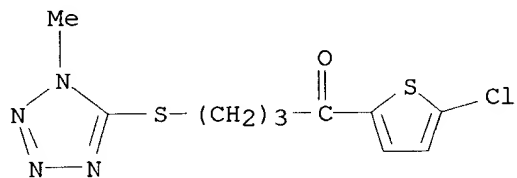
RN 80087-48-5 CAPLUS

CN 1-Butanone, 4-[(1-methyl-1H-tetrazol-5-yl)thio]-1-(5-methyl-2-thienyl)-  
(9CI) (CA INDEX NAME)



RN 80087-49-6 CAPLUS

CN 1-Butanone, 1-(5-chloro-2-thienyl)-4-[(1-methyl-1H-tetrazol-5-yl)thio]-  
(9CI) (CA INDEX NAME)

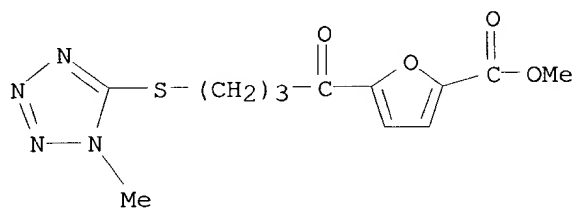


IT **80087-58-7P 80087-61-2P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN 80087-58-7 CAPLUS

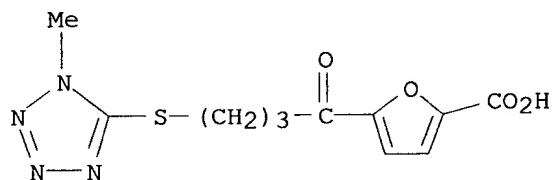
CN 2-Furancarboxylic acid, 5-[4-[(1-methyl-1H-tetrazol-5-yl)thio]-1-oxobutyl]-  
, methyl ester (9CI) (CA INDEX NAME)



RN 80087-61-2 CAPLUS

CN 2-Furancarboxylic acid, 5-[4-[(1-methyl-1H-tetrazol-5-yl)thio]-1-oxobutyl]-  
(9CI) (CA INDEX NAME)

V. Balasubramanian



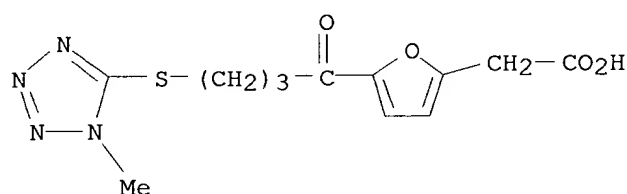
IT 80086-03-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn., hydrazinolysis, and antiulcer activity of)

RN 80086-03-9 CAPLUS

CN 2-Furanacetic acid, 5-[4-[(1-methyl-1H-tetrazol-5-yl)thio]-1-oxobutyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 291 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1982:299 CAPLUS

DN 96:299

TI Cefsulodin (SCF-129), cefotiam (SCE-963), and cefmenoxime (SCE-1365)

AU Tsuchiya, Kanji

CS Cent. Res. Div., Takeda Chem. Ind., Ltd., Osaka, 532, Japan

SO Beta-Lactam Antibiot. (1981), 107-19. Editor(s): Mitsuhashi, Susumu.

Publisher: Japan Sci. Soc. Press, Tokyo, Japan.

CODEN: 46NXAQ

DT Conference

LA English

IT 80045-79-0 80045-80-3 80045-82-5

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

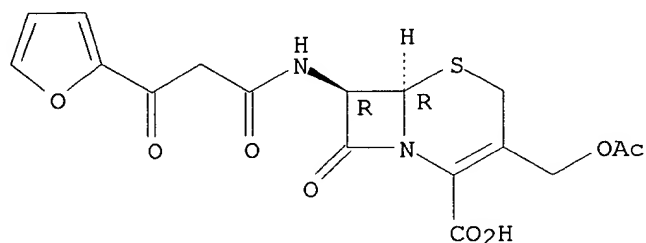
(antibacterial activity of, structure in relation to)

RN 80045-79-0 CAPLUS

CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 3-[(acetyloxy)methyl]-7-[[3-(2-furanyl)-1,3-dioxopropyl]amino]-8-oxo-, (6R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

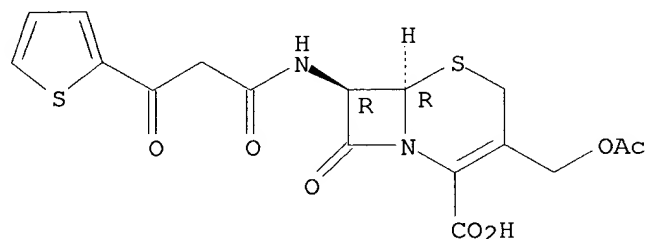
V. Balasubramanian



RN 80045-80-3 CAPLUS

CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,  
3-[(acetyloxy)methyl]-7-[[1,3-dioxo-3-(2-thienyl)propyl]amino]-8-oxo-,  
(6R-trans)- (9CI) (CA INDEX NAME)

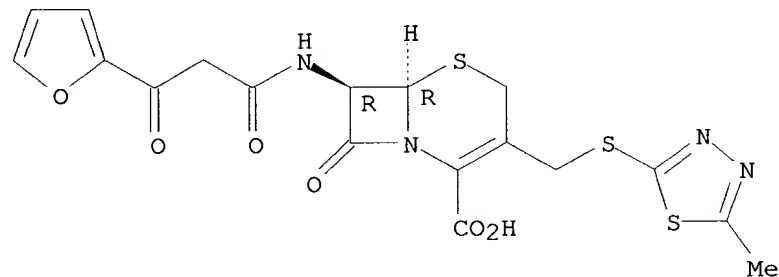
Absolute stereochemistry.



RN 80045-82-5 CAPLUS

CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,  
7-[[3-(2-furanyl)-1,3-dioxopropyl]amino]-3-[[5-methyl-1,3,4-thiadiazol-2-yl]thio]methyl]-8-oxo-, (6R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 292 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1981:603650 CAPLUS

DN 95:203650

TI A note on the antibacterial action of some 2-anilinoacetyl-5-nitrofurans

AU Holla, B. Shivarama; Ambekar, Sarvottam Y.; Pujar, B. G.

CS Dep. Chem., Univ. Mysore, Mysore, 570 006, India

SO Journal of the Indian Chemical Society (1981), 58(8), 820-2

CODEN: JICSAH; ISSN: 0019-4522

V. Balasubramanian

DT Journal

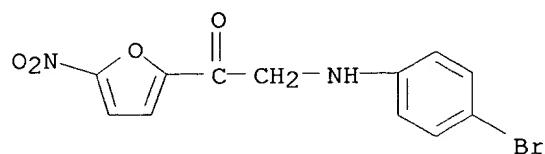
LA English

IT 79698-88-7P 79698-89-8P 79698-90-1P  
79698-91-2P 79698-92-3P 79700-21-3P  
79700-22-4P 79700-23-5P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(prepn. and bactericidal activity of)

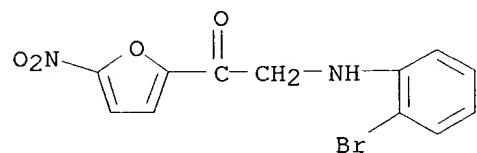
RN 79698-88-7 CAPLUS

CN Ethanone, 2-[(4-bromophenyl)amino]-1-(5-nitro-2-furanyl)- (9CI) (CA INDEX NAME)



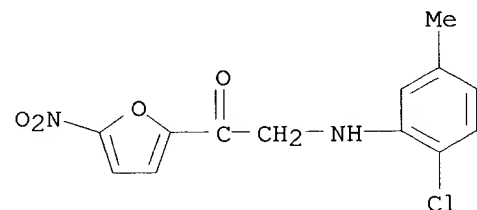
RN 79698-89-8 CAPLUS

CN Ethanone, 2-[(2-bromophenyl)amino]-1-(5-nitro-2-furanyl)- (9CI) (CA INDEX NAME)



RN 79698-90-1 CAPLUS

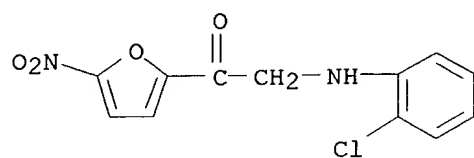
CN Ethanone, 2-[(2-chloro-5-methylphenyl)amino]-1-(5-nitro-2-furanyl)- (9CI)  
(CA INDEX NAME)



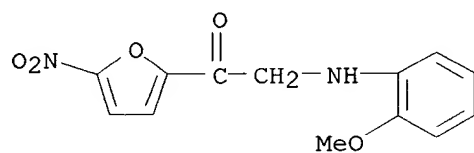
RN 79698-91-2 CAPLUS

CN Ethanone, 2-[(2-chlorophenyl)amino]-1-(5-nitro-2-furanyl)- (9CI) (CA INDEX NAME)

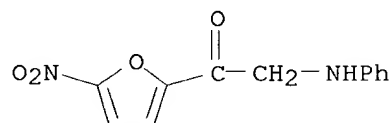
V. Balasubramanian



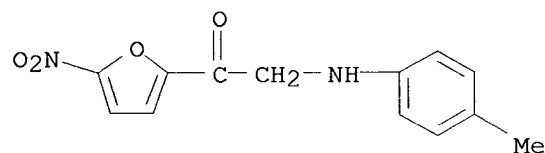
RN 79698-92-3 CAPLUS  
CN Ethanone, 2-[(2-methoxyphenyl)amino]-1-(5-nitro-2-furanyl)- (9CI) (CA INDEX NAME)



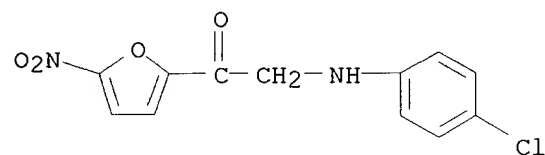
RN 79700-21-3 CAPLUS  
CN Ethanone, 1-(5-nitro-2-furanyl)-2-(phenylamino)- (9CI) (CA INDEX NAME)



RN 79700-22-4 CAPLUS  
CN Ethanone, 2-[(4-methylphenyl)amino]-1-(5-nitro-2-furanyl)- (9CI) (CA INDEX NAME)



RN 79700-23-5 CAPLUS  
CN Ethanone, 2-[(4-chlorophenyl)amino]-1-(5-nitro-2-furanyl)- (9CI) (CA INDEX NAME)

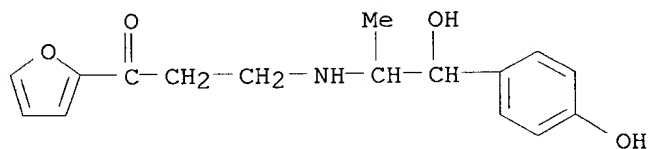




V. Balasubramanian

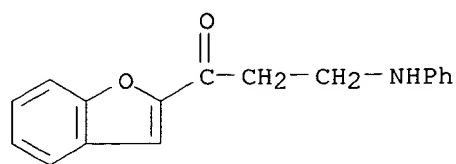
L5 ANSWER 293 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1981:538622 CAPLUS  
DN 95:138622  
TI Heterocyclyl 2-(2-[(4-hydroxyphenyl)-2-hydroxy-1-methyl]ethylamino)ethyl  
ketones as lipogenesis inhibitors  
IN Haynes, George R.  
PA Shell Oil Co. , USA  
SO U.S., 3 pp.  
CODEN: USXXAM  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4271185	A	19810602	US 1980-115464	19800125
	US 4301172	A	19811117	US 1980-216101	19801215
PRAI	US 1980-115464		19800125		
IT	<b>35075-66-2</b>				
RL:	BIOL (Biological study) (lipogenesis inhibitor)				
RN	35075-66-2	CAPLUS			
CN	1-Propanone, 1-(2-furanyl)-3-[[2-hydroxy-2-(4-hydroxyphenyl)-1-methylethyl]amino]-, hydrochloride (9CI) (CA INDEX NAME)				

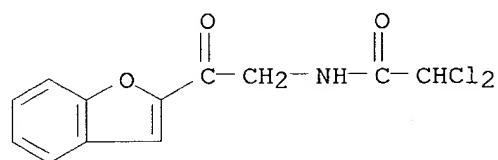


● HCl

L5 ANSWER 294 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1981:406707 CAPLUS  
DN 95:6707  
TI Synthesis, characterization and screening of antibacterial activity of  
some new Mannich bases  
AU Agarwal, S. K.; Saxena, R. C.  
CS Dep. Chem., L. R. Coll., Sahibabad, India  
SO Journal of the Indian Chemical Society (1980), 57(12), 1240-1  
CODEN: JICSAH; ISSN: 0019-4522  
DT Journal  
LA English  
IT **77853-30-6P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)  
RN 77853-30-6 CAPLUS  
CN 1-Propanone, 1-(2-benzofuranyl)-3-(phenylamino)- (9CI) (CA INDEX NAME)



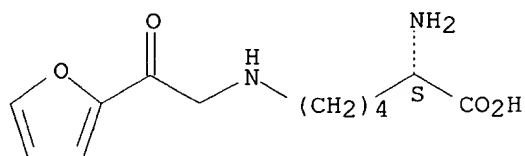
L5 ANSWER 295 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1981:191136 CAPLUS  
 DN 94:191136  
 TI Mass spectral and antimicrobial studies of the benzofuran analog of chloramphenicol  
 AU Bevinakatti, Hanamanthsa S.; Badiger, Virupax V.  
 CS Dep. Chem., Karnatak Univ., Dharwad, 580003, India  
 SO Archiv der Pharmazie (Weinheim, Germany) (1981), 314(2), 162-7  
 CODEN: ARPMAS; ISSN: 0365-6233  
 DT Journal  
 LA English  
 IT **74599-86-3**  
 RL: PRP (Properties)  
 (mass spectrum and antimicrobial activity of)  
 RN 74599-86-3 CAPLUS  
 CN Acetamide, N-[2-(2-benzofuranyl)-2-oxoethyl]-2,2-dichloro- (9CI) (CA INDEX NAME)



L5 ANSWER 296 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1981:187943 CAPLUS  
 DN 94:187943  
 TI Quantitation of lysine-bound glucose of normal and diabetic erythrocyte membranes by HPLC analysis of furosine [ $\epsilon$ -N(L-furoylmethyl)-L-lysine]  
 AU Schleicher, E.; Scheller, L.; Wieland, O. H.  
 CS Klin.-Chem. Inst. Forschergruppe Diabetes, Staedtisches Krankenhaus Muenchen-Schwabing, Munich, D-8000, Fed. Rep. Ger.  
 SO Biochemical and Biophysical Research Communications (1981), 99(3), 1011-19  
 CODEN: BBRC9A; ISSN: 0006-291X  
 DT Journal  
 LA English  
 IT **19746-33-9**  
 RL: ANT (Analyte); ANST (Analytical study)  
 (detn. of, in erythrocyte membranes in diabetes by high-performance liq. chromatog., lysine-bound glucose detn. in relation to)  
 RN 19746-33-9 CAPLUS  
 CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

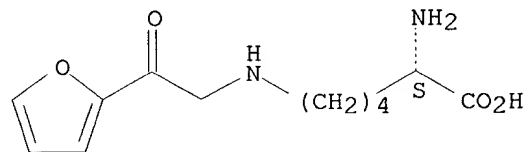
V. Balasubramanian

Absolute stereochemistry.

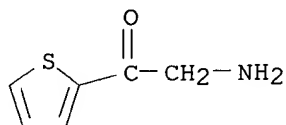


L5 ANSWER 297 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1981:152805 CAPLUS  
DN 94:152805  
TI Specific quantitation by HPLC of protein (lysine) bound glucose in human serum albumin and other glycosylated proteins  
AU Schleicher, E.; Wieland, O. H.  
CS Klin.-Chem. Inst., Staedtisches Krankenhaus Muenchen-Schwabing, Munich, Fed. Rep. Ger.  
SO Journal of Clinical Chemistry and Clinical Biochemistry (1981), 19(2), 81-7  
CODEN: JCCBDT; ISSN: 0340-076X  
DT Journal  
LA English  
IT **19746-33-9**  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. of, in protein hydrolyzates by high-performance liq. chromatog.)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

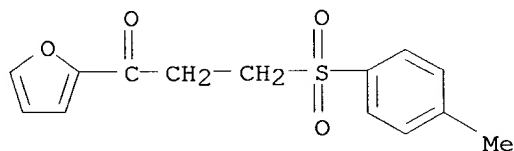


L5 ANSWER 298 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1981:139707 CAPLUS  
DN 94:139707  
TI 2-(2-Thienyl)morpholines active on the central nervous system  
AU Carissimi, M.; Picciola, G.; Ravenna, F.; Carenini, G.; Gentili, P.  
CS Lab. Ric., Maggioni Farm. S.p.A., Milan, Italy  
SO Farmaco, Edizione Scientifica (1980), 35(10), 812-25  
CODEN: FRPSAX; ISSN: 0430-0920  
DT Journal  
LA Italian  
IT **76175-40-1**  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(hydride redn. of)  
RN 76175-40-1 CAPLUS  
CN Ethanone, 2-amino-1-(2-thienyl)-, hydrobromide (9CI) (CA INDEX NAME)

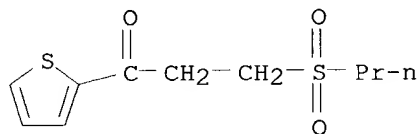


● HBr

L5 ANSWER 299 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1981:14722 CAPLUS  
 DN 94:14722  
 TI Reactions of .alpha.,.beta.-unsaturated .gamma.-oxosulfones with  
 nucleophiles  
 AU Messinger, Paul; Greve, Harald  
 CS Inst. Pharm. Chem., Univ. Hamburg, Hamburg, 2000/13, Fed. Rep. Ger.  
 SO Archiv der Pharmazie (Weinheim, Germany) (1980), 313(8), 688-96  
 CODEN: ARPMAS; ISSN: 0365-6233  
 DT Journal  
 LA German  
 IT **50366-61-5 75910-26-8**  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (bromination of)  
 RN 50366-61-5 CAPLUS  
 CN 1-Propanone, 1-(2-furanyl)-3-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX  
 NAME)



RN 75910-26-8 CAPLUS  
 CN 1-Propanone, 3-(propylsulfonyl)-1-(2-thienyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 300 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1980:495071 CAPLUS  
 DN 93:95071  
 TI A benzofuran analog of chloramphenicol  
 AU Bevinakatti, Hanamanthsa S.; Badiger, Virupax V.  
 CS Dep. Chem., Karnatak Univ., Dharwad, 580003, India

V. Balasubramanian

SO Journal of Heterocyclic Chemistry (1980), 17(3), 613-15

CODEN: JHTCAD; ISSN: 0022-152X

DT Journal

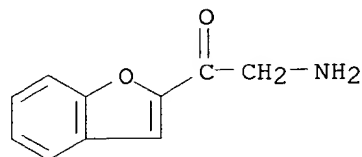
LA English

IT 74599-89-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(prepn. and hydrolysis of)

RN 74599-89-6 CAPLUS

CN Ethanone, 2-amino-1-(2-benzofuranyl)- (9CI) (CA INDEX NAME)

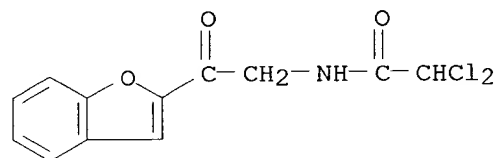


IT 74599-86-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(prepn. and hydroxymethylation of)

RN 74599-86-3 CAPLUS

CN Acetamide, N-[2-(2-benzofuranyl)-2-oxoethyl]-2,2-dichloro- (9CI) (CA  
INDEX NAME)

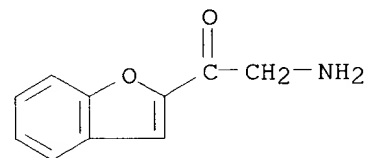


IT 74599-84-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(prepn. and reaction with trichloroacetyl chloride)

RN 74599-84-1 CAPLUS

CN Ethanone, 2-amino-1-(2-benzofuranyl)-, hydrochloride (9CI) (CA INDEX  
NAME)



● HCl

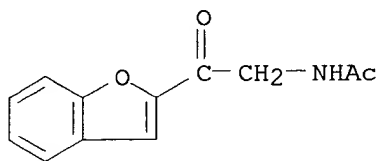
V. Balasubramanian

IT **74599-85-2P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN 74599-85-2 CAPLUS

CN Acetamide, N-[2-(2-benzofuranyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 301 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1979:557817 CAPLUS

DN 91:157817

TI Acetylthienyltriphenylphosphonium bromide. Synthesis and study of reactivity

AU Bukachuk, O. M.; Megera, I. V.; Porushnik, M. I.; Shevchuk, M. I.

CS USSR

SO Zhurnal Obshchei Khimii (1979), 49(7), 1552-6  
CODEN: ZOKHA4; ISSN: 0044-460X

DT Journal

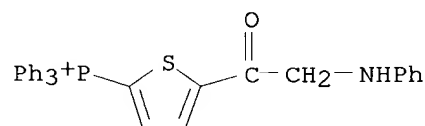
LA Russian

IT **71482-76-3P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN 71482-76-3 CAPLUS

CN Phosphonium, triphenyl[5-[(phenylamino)acetyl]-2-thienyl]-, bromide (9CI)  
(CA INDEX NAME)



● Br<sup>-</sup>

L5 ANSWER 302 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1979:491632 CAPLUS

DN 91:91632

TI 2-Aminomethyloxazoles

IN Inoue, Sho; Ohata, Katsuya; Tsutsui, Toshiaki; Nomura, Tatsuo

PA Mitsubishi Chemical Industries Co., Ltd., Japan; Nippon Shinyaku Co., Ltd.

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

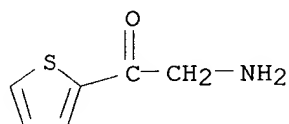
DT Patent

LA Japanese

FAN.CNT 1

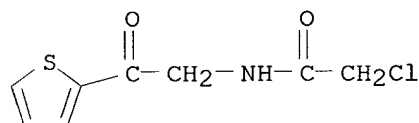
V. Balasubramanian

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 54030170	A2	19790306	JP 1977-96384	19770811
PRAI	JP 1977-96384		19770811		
IT	<b>70996-65-5</b>				
	RL: RCT (Reactant); RACT (Reactant or reagent) (amidation of, with chloroacetyl chloride)				
RN	70996-65-5	CAPLUS			
CN	Ethanone, 2-amino-1-(2-thienyl)-, hydrochloride (9CI) (CA INDEX NAME)				



● HCl

IT **70996-66-6P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. and cyclization of, oxazoles from)  
RN 70996-66-6 CAPLUS  
CN Acetamide, 2-chloro-N-[2-oxo-2-(2-thienyl)ethyl]- (9CI) (CA INDEX NAME)

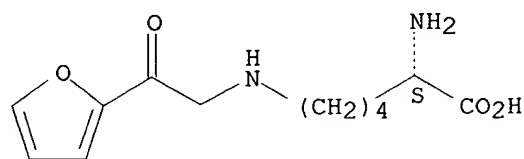


L5 ANSWER 303 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1979:473303 CAPLUS  
DN 91:73303  
TI Studies on protein quality using the yearly skim milk powder production of a milk powder plant. 2. Damage of lysine by milk drying  
AU Erbersdobler, H. F.  
CS Fachber. Tiermed., Univ. Muenchen, Munich, Fed. Rep. Ger.  
SO Milchwissenschaft (1979), 34(6), 325-8  
CODEN: MILCAD; ISSN: 0026-3788  
DT Journal  
LA German  
IT **19746-33-9**  
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); BIOL (Biological study); OCCU (Occurrence)  
(of milk, during storage, lysine inactivation during drying in relation to)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

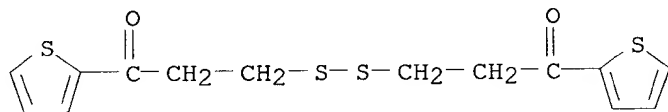
Absolute stereochemistry.

09/817,374

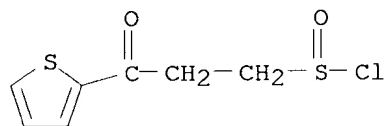
V. Balasubramanian



LS ANSWER 304 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1979:420220 CAPLUS  
DN 91:20220  
TI 2-Benzoylthanesulfinic acid, 2-(2-thienyl)ethanesulfinic acid and some of their derivatives  
AU Etienne, Andre; Bore, Jean Claude; Baills, Gerard; Lonchambon, Georges; Desmazieres, Bernard  
CS Conserv. Natl. Arts Metiers, Lab. Chim. Ind., Paris, Fr.  
SO Comptes Rendus des Seances de l'Academie des Sciences, Serie C: Sciences Chimiques (1979), 288(1), 49-52  
CODEN: CHDCAQ; ISSN: 0567-6541  
DT Journal  
LA French  
IT **70013-96-6P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. and chlorination of)  
RN 70013-96-6 CAPLUS  
CN 1-Propanone, 3,3'-dithiobis[1-(2-thienyl)- (9CI) (CA INDEX NAME)



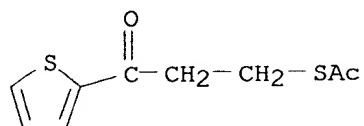
IT **70013-79-5P 70013-95-5P 70061-15-3P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. and hydrolysis of)  
RN 70013-79-5 CAPLUS  
CN 2-Thiophenepropanesulfinyl chloride, .gamma.-oxo- (9CI) (CA INDEX NAME)



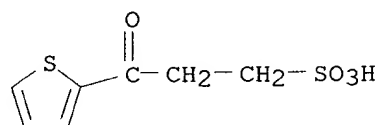
RN 70013-95-5 CAPLUS  
CN Ethanethioic acid, S-[3-oxo-3-(2-thienyl)propyl] ester (9CI) (CA INDEX NAME)



V. Balasubramanian

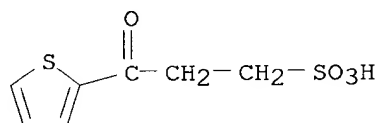


RN 70061-15-3 CAPLUS  
CN 2-Thiophenepropanesulfonic acid, .gamma.-oxo-, sodium salt (9CI) (CA INDEX NAME)

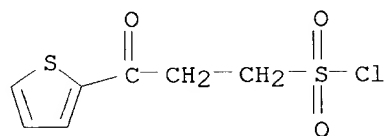


● Na

IT 70013-71-7P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. and reaction with thionyl chloride)  
RN 70013-71-7 CAPLUS  
CN 2-Thiophenepropanesulfonic acid, .gamma.-oxo- (9CI) (CA INDEX NAME)



IT 70013-72-8P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. and reaction with zinc)  
RN 70013-72-8 CAPLUS  
CN 2-Thiophenepropanesulfonyl chloride, .gamma.-oxo- (9CI) (CA INDEX NAME)

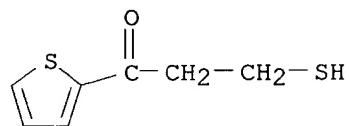


IT 70013-91-1P 70013-92-2P 70215-44-0P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. and S-oxidn. of)

V. Balasubramanian

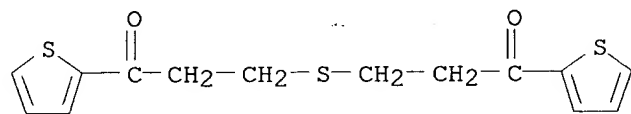
RN 70013-91-1 CAPLUS

CN 1-Propanone, 3-mercapto-1-(2-thienyl)- (9CI) (CA INDEX NAME)



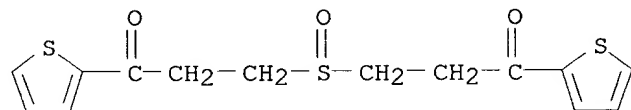
RN 70013-92-2 CAPLUS

CN 1-Propanone, 3,3'-thiobis[1-(2-thienyl)- (9CI) (CA INDEX NAME)



RN 70215-44-0 CAPLUS

CN 1-Propanone, 3,3'-sulfinylbis[1-(2-thienyl)- (9CI) (CA INDEX NAME)



IT 63261-22-3P 65373-90-2P 70013-80-8P

70013-81-9P 70013-82-0P 70013-83-1P

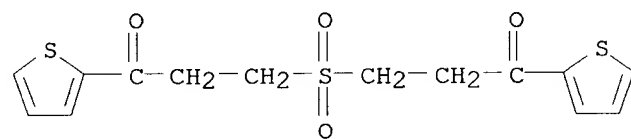
70013-84-2P 70013-98-8P 70014-00-5P

70215-45-1P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

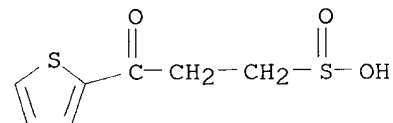
RN 63261-22-3 CAPLUS

CN 1-Propanone, 3,3'-sulfonylbis[1-(2-thienyl)- (9CI) (CA INDEX NAME)



RN 65373-90-2 CAPLUS

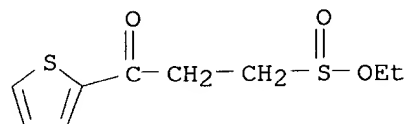
CN 2-Thiophenepropanesulfinic acid, .gamma.-oxo- (9CI) (CA INDEX NAME)



V. Balasubramanian

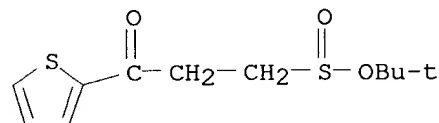
RN 70013-80-8 CAPLUS

CN 2-Thiophenepropanesulfinic acid, .gamma.-oxo-, ethyl ester (9CI) (CA INDEX NAME)



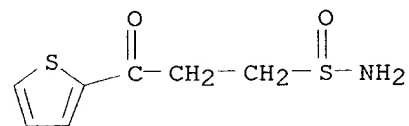
RN 70013-81-9 CAPLUS

CN 2-Thiophenepropanesulfinic acid, .gamma.-oxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



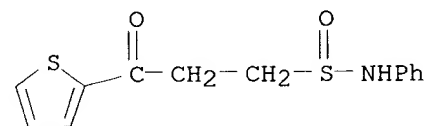
RN 70013-82-0 CAPLUS

CN 2-Thiophenepropanesulfinamide, .gamma.-oxo- (9CI) (CA INDEX NAME)



RN 70013-83-1 CAPLUS

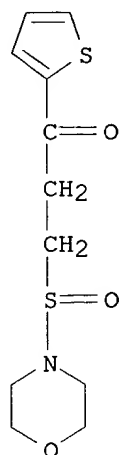
CN 2-Thiophenepropanesulfinamide, .gamma.-oxo-N-phenyl- (9CI) (CA INDEX NAME)



RN 70013-84-2 CAPLUS

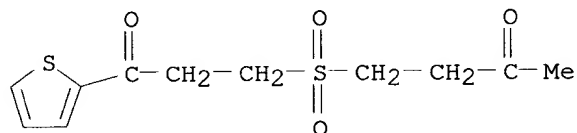
CN Morpholine, 4-[[3-oxo-3-(2-thienyl)propyl]sulfinyl]- (9CI) (CA INDEX NAME)

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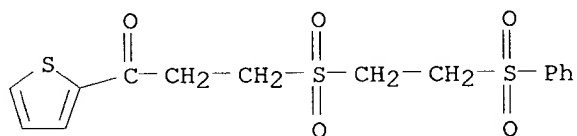
RN 70013-98-8 CAPLUS

CN 2-Butanone, 4-[[3-oxo-3-(2-thienyl)propyl]sulfonyl]- (9CI) (CA INDEX NAME)



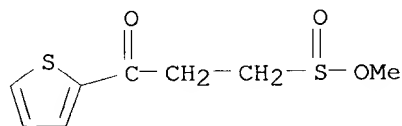
RN 70014-00-5 CAPLUS

CN 1-Propanone, 3-[[2-(phenylsulfonyl)ethyl]sulfonyl]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



RN 70215-45-1 CAPLUS

CN 2-Thiophenepropanesulfinic acid, .gamma.-oxo-, methyl ester (9CI) (CA INDEX NAME)



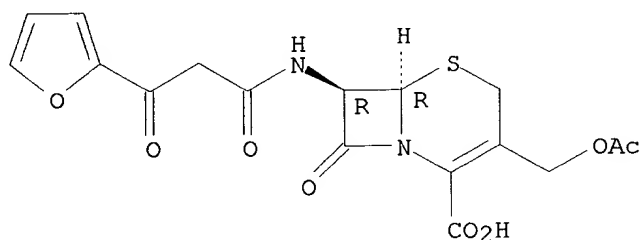
L5 ANSWER 305 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1979:168530 CAPLUS

09/817,374

V. Balasubramanian

DN 90:168530  
TI New cephalosporins with 7-acyl groups derived from .beta.-oxo acids. I.  
7-(.beta.-Oxoacylamino)cephalosporins  
AU Numata, Mitsuo; Yamaoka, Masayoshi; Minamida, Isao; Kuritani, Masaaki;  
Imashiro, Yoshio  
CS Cent. Res. Div., Takeda Chem. Ind., Ltd., Osaka, Japan  
SO Journal of Antibiotics (1978), 31(12), 1245-51  
CODEN: JANTAJ; ISSN: 0021-8820  
DT Journal  
LA English  
IT **69931-95-9P 69931-96-0P 69932-00-9P**  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); SPN (Synthetic preparation); BIOL (Biological  
study); PREP (Preparation)  
(prepn. and bactericidal activity of)  
RN 69931-95-9 CAPLUS  
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,  
3-[(acetyloxy)methyl]-7-[[3-(2-furanyl)-1,3-dioxopropyl]amino]-8-oxo-,  
monosodium salt, (6R-trans)- (9CI) (CA INDEX NAME)

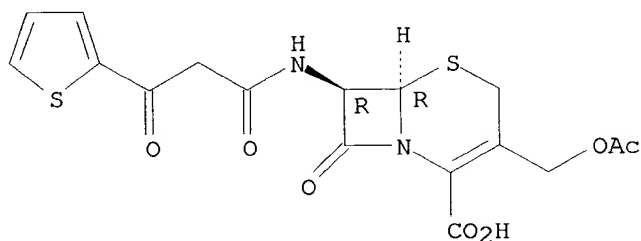
Absolute stereochemistry.



● Na

RN 69931-96-0 CAPLUS  
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,  
3-[(acetyloxy)methyl]-7-[[1,3-dioxo-3-(2-thienyl)propyl]amino]-8-oxo-,  
monosodium salt, (6R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

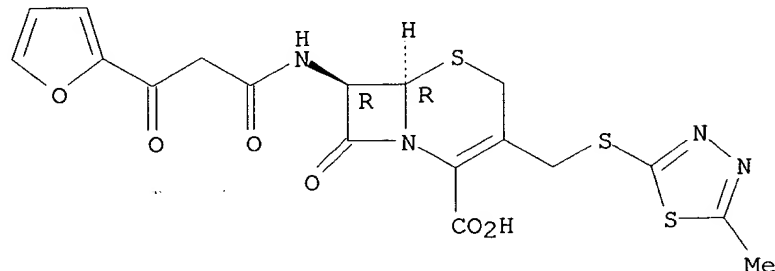


● Na

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RN 69932-00-9 CAPLUS  
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,  
7-[[3-(2-furanyl)-1,3-dioxopropyl]amino]-3-[[[(5-methyl-1,3,4-thiadiazol-2-yl)thio]methyl]-8-oxo-, monosodium salt, (6R-trans)- (9CI) (CA INDEX NAME)

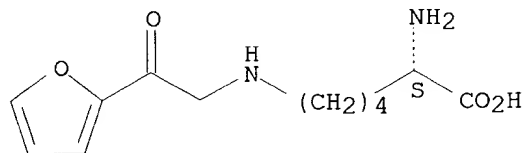
Absolute stereochemistry.



● Na

L5 ANSWER 306 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1979:136314 CAPLUS  
DN 90:136314  
TI Determination of lysinoalanine by densitometry  
AU Haagsma, N.; Gortemaker, B. G. M.  
CS Fac. Vet. Med., Univ. Utrecht, Utrecht, Neth.  
SO Journal of Chromatography (1979), 168(2), 550-6  
CODEN: JOCRAM; ISSN: 0021-9673  
DT Journal  
LA English  
IT **19746-33-9**  
RL: ANT (Analyte); ANST (Analytical study)  
(chromatog. of, thin-layer, food proteins in relation to)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

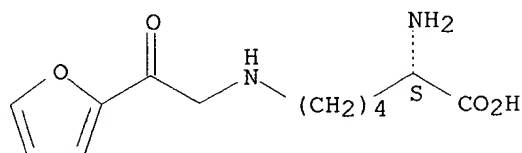


L5 ANSWER 307 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1979:102047 CAPLUS  
DN 90:102047  
TI Simultaneous determination of lysine, lysinoalanine, furosine, and  
pyridosine in food and feeds  
AU Erbersdobler, Helmut F.; Holstein, Barbara; Lainer, Eva

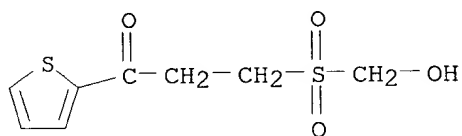
V. Balasubramanian

CS Inst. Physiol., Physiol. Chem. Ernaehrungsphysiol., Univ. Muenchen,  
Munich, Fed. Rep. Ger.  
SO Zeitschrift fuer Lebensmittel-Untersuchung und -Forschung (1979), 168(1),  
6-8  
CODEN: ZLUFAR; ISSN: 0044-3026  
DT Journal  
LA German  
IT **19746-33-9**  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. of, in feed and food, chromatog.)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

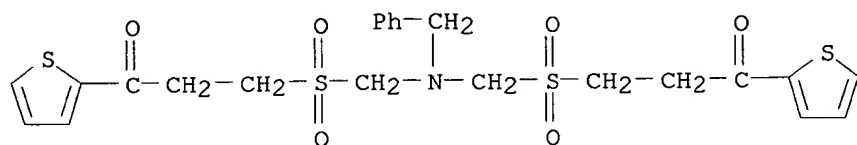


L5 ANSWER 308 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1979:71858 CAPLUS  
DN 90:71858  
TI Some reactions with activated sulfinic acids  
AU Messinger, Paul; Greve, Harald  
CS Inst. Pharm. Chem., Univ. Hamburg, Hamburg, Fed. Rep. Ger.  
SO Archiv der Pharmazie (Weinheim, Germany) (1978), 311(10), 827-33  
CODEN: ARPMAS; ISSN: 0365-6233  
DT Journal  
LA German  
IT **68869-98-7P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(prepn. and amination of)  
RN 68869-98-7 CAPLUS  
CN 1-Propanone, 3-[(hydroxymethyl)sulfonyl]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



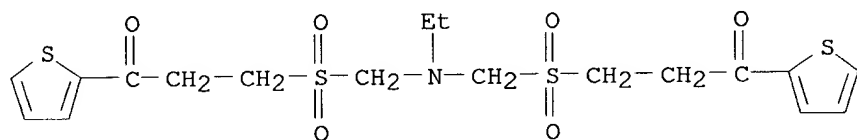
IT **68870-00-8P 68870-03-1P 69054-30-4P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)  
RN 68870-00-8 CAPLUS  
CN 1-Propanone, 3,3'-[[ (phenylmethyl)imino]bis(methylenesulfonyl)]bis[1-(2-thienyl)- (9CI) (CA INDEX NAME)]

V. Balasubramanian



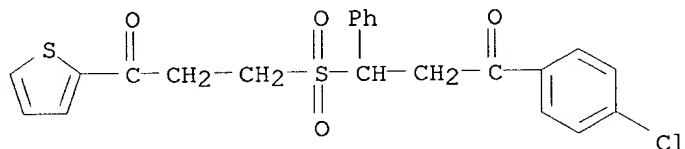
RN 68870-03-1 CAPLUS

CN 1-Propanone, 3,3'-[(ethylimino)bis(methylenesulfonyl)]bis[1-(2-thienyl)- (9CI) (CA INDEX NAME)



RN 69054-30-4 CAPLUS

CN 1-Propanone, 1-(4-chlorophenyl)-3-[[3-oxo-3-(2-thienyl)propyl]sulfonyl]-3-phenyl- (9CI) (CA INDEX NAME)

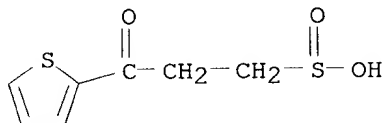


IT **65373-90-2**

RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, with alkenes)

RN 65373-90-2 CAPLUS

CN 2-Thiophenepropanesulfinic acid, .gamma.-oxo- (9CI) (CA INDEX NAME)



L5 ANSWER 309 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1978:424085 CAPLUS

DN 89:24085

TI Condensation reactions of activated sulfinic acids with Mannich bases

AU Messinger, Paul; Greve, Harald

CS Inst. Pharm. Chem., Univ. Hamburg, Hamburg, Fed. Rep. Ger.

SO Archiv der Pharmazie (Weinheim, Germany) (1978), 311(4), 280-7

CODEN: ARPMAS; ISSN: 0365-6233

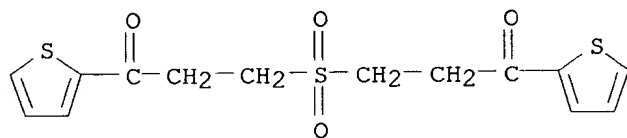
DT Journal

LA German

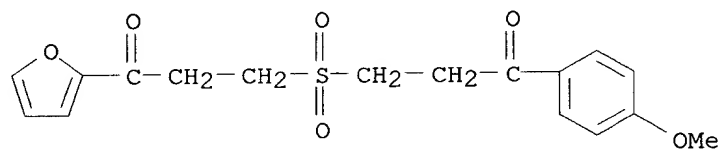


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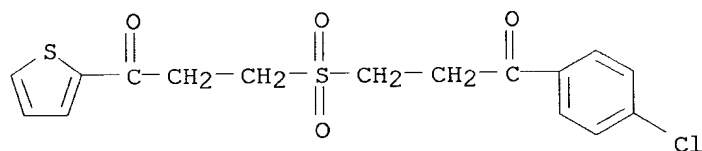
IT 63261-22-3P 66889-79-0P 66889-92-7P  
66889-94-9P 66889-98-3P 66889-99-4P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)  
RN 63261-22-3 CAPLUS  
CN 1-Propanone, 3,3'-sulfonylbis[1-(2-thienyl)- (9CI) (CA INDEX NAME)



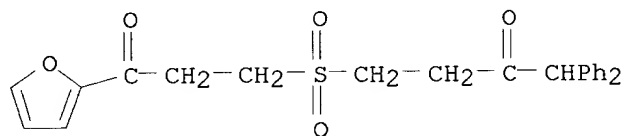
RN 66889-79-0 CAPLUS  
CN 1-Propanone, 1-(2-furanyl)-3-[[3-(4-methoxyphenyl)-3-oxopropyl]sulfonyl]- (9CI) (CA INDEX NAME)



RN 66889-92-7 CAPLUS  
CN 1-Propanone, 3-[[3-(4-chlorophenyl)-3-oxopropyl]sulfonyl]-1-(2-thienyl)- (9CI) (CA INDEX NAME)

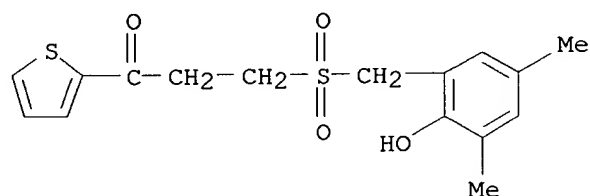


RN 66889-94-9 CAPLUS  
CN 2-Butanone, 4-[[3-(2-furanyl)-3-oxopropyl]sulfonyl]-1,1-diphenyl- (9CI)  
(CA INDEX NAME)



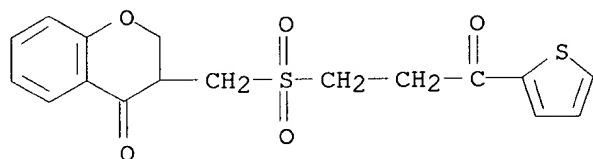
RN 66889-98-3 CAPLUS  
CN 1-Propanone, 3-[[3-(2-hydroxy-3,5-dimethylphenyl)methyl]sulfonyl]-1-(2-thienyl)- (9CI) (CA INDEX NAME)

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RN 66889-99-4 CAPLUS

CN 4H-1-Benzopyran-4-one, 2,3-dihydro-3-[[[3-oxo-3-(2-thienyl)propyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

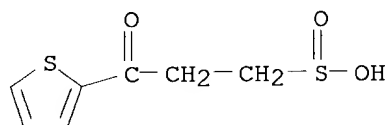


IT 66889-91-6 66889-93-8

RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, with Mannich base, asym. sulfone from)

RN 66889-91-6 CAPLUS

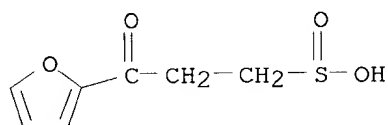
CN 2-Thiophenepropanesulfinic acid, .gamma.-oxo-, sodium salt (9CI) (CA INDEX NAME)



● Na

RN 66889-93-8 CAPLUS

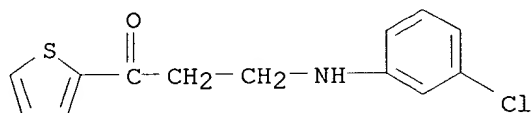
CN 2-Furanpropanesulfinic acid, .gamma.-oxo-, sodium salt (9CI) (CA INDEX NAME)



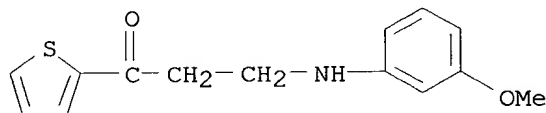
● Na

V. Balasubramanian

L5 ANSWER 310 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1978:120954 CAPLUS  
DN 88:120954  
TI Synthesis of heterocyclic compounds: part XXI. Dihydro- and tetrahydroquinolines and their methiodides  
AU Gogte, V. N.; Mukhedkar, V. A.; Tilak, B. D.  
CS Natl. Chem. Lab., Poona, India  
SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1977), 15B(9), 774-7  
CODEN: IJSBDB; ISSN: 0376-4699  
DT Journal  
LA English  
IT **55439-03-7P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (prepn. and redn. of)  
RN 55439-03-7 CAPLUS  
CN 1-Propanone, 3-[(3-chlorophenyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



IT **21280-46-6**  
RL: RCT (Reactant); RACT (Reactant or reagent) (redn. of)  
RN 21280-46-6 CAPLUS  
CN 1-Propanone, 3-[(3-methoxyphenyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 311 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1978:105151 CAPLUS  
DN 88:105151  
TI 1-Phenoxy-3-aminopropan-2-ol derivatives and their acid addition salts  
PA Cassella Farbwerke Mainkur A.-G., Fed. Rep. Ger.  
SO Austrian, 14 pp.  
CODEN: AUXXAK  
DT Patent  
LA German  
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	AT 339305	B	19771010	AT 1974-10164	19741219
	AT 7410164	A	19770215		
	US 4088764	A	19780509	US 1974-531344	19741210

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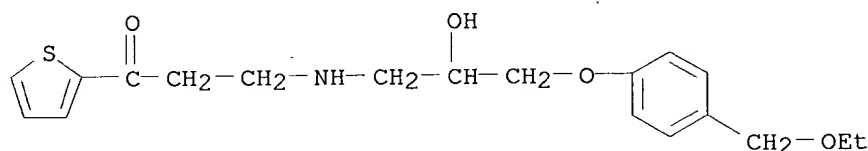
FI 7403631	A	19750628	FI 1974-3631	19741216
NO 7404530	A	19750630	NO 1974-4530	19741216
SE 7415761	A	19750630	SE 1974-15761	19741216
DK 7406547	A	19750825	DK 1974-6547	19741216
DD 117071	C	19751220	DD 1974-183198	19741219
ZA 7408082	A	19760128	ZA 1974-8082	19741219
SU 559643	D	19770525	SU 1974-2085461	19741219
SU 598557	D	19780315	SU 1974-2085234	19741219
HU 171726	P	19780328	HU 1974-CA376	19741219
CA 1047512	A1	19790130	CA 1974-216421	19741219
US 4066768	A	19780103	US 1976-669995	19760324
PRAI LU 1973-34590		19731227		
US 1974-531344		19741210		

IT **65752-91-2 65752-92-3**

RL: RCT (Reactant); RACT (Reactant or reagent)  
(redn. of)

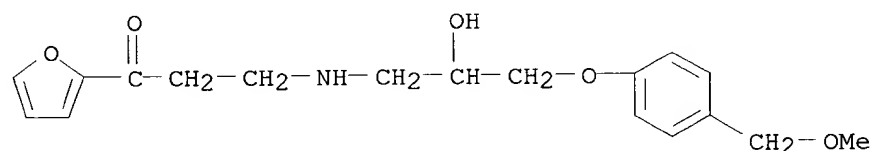
RN 65752-91-2 CAPLUS

CN 1-Propanone, 3-[[3-[4-(ethoxymethyl)phenoxy]-2-hydroxypropyl]amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



RN 65752-92-3 CAPLUS

CN 1-Propanone, 1-(2-furanyl)-3-[[2-hydroxy-3-[4-(methoxymethyl)phenoxy]propyl]amino]- (9CI) (CA INDEX NAME)



L5 ANSWER 312 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1978:74266 CAPLUS

DN 88:74266

TI Synthesis of sulfinic acids with electron-attracting substituents in the .beta.-position

AU Messinger, Paul; Greve, Harald

CS Inst. Pharm. Chem., Univ. Hamburg, Hamburg, Fed. Rep. Ger.

SO Justus Liebigs Annalen der Chemie (1977), (9), 1457-60

CODEN: JLACBF; ISSN: 0075-4617

DT Journal

LA German

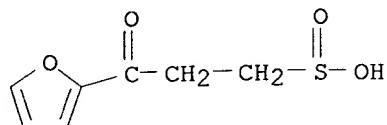
IT **65373-89-9P 65373-90-2P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN 65373-89-9 CAPLUS

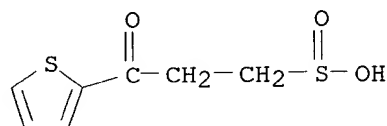
V. Balasubramanian

CN 2-Furanpropanesulfinic acid, .gamma.-oxo- (9CI) (CA INDEX NAME)



RN 65373-90-2 CAPLUS

CN 2-Thiophenepropanesulfinic acid, .gamma.-oxo- (9CI) (CA INDEX NAME)

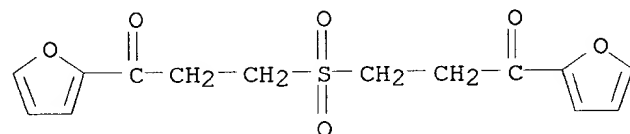


IT 63261-21-2 63261-22-3

RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, with cyanide, sulfinic acid from)

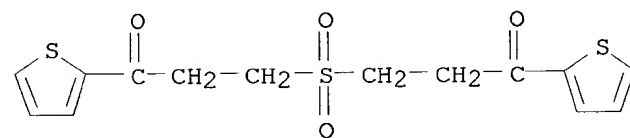
RN 63261-21-2 CAPLUS

CN 1-Propanone, 3,3'-sulfonylbis[1-(2-furanyl)- (9CI) (CA INDEX NAME)



RN 63261-22-3 CAPLUS

CN 1-Propanone, 3,3'-sulfonylbis[1-(2-thienyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 313 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1977:535041 CAPLUS

DN 87:135041

TI Derivatives of 1-(2-thienyl)-2-amino-ethanol and their preparation

IN Corral Saleta, Carlos; Del Rio Zambrana, Joaquin; Martinex Roldan, Cristobal; Fernandez Brana, Miguel; Madronero Pelaez, Ramon

PA Laboratorios Made S. A., Spain

SO Brit., 4 pp. Addn. to Brit. 1,396,042.

CODEN: BRXXAA

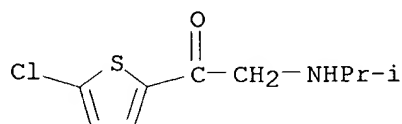
DT Patent

LA English

V. Balasubramanian

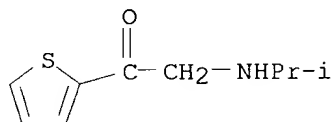
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 1470151	A	19770414	GB 1975-9615	19750307
PRAI	GB 1975-9615		19750307		
IT	<b>64218-49-1P</b>				
	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (prepn. and hydride redn. of)				
RN	64218-49-1	CAPLUS			
CN	Ethanone, 1-(5-chloro-2-thienyl)-2-[(1-methylethyl)amino]- (9CI) (CA INDEX NAME)				



L5 ANSWER 314 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1977:502152 CAPLUS  
DN 87:102152  
TI Intermediate compounds for the synthesis of 1-(2-thienyl)-2-aminoethanol derivatives  
PA Laboratorios Made S. A., Spain  
SO Span., 13 pp.  
CODEN: SPXXAD  
DT Patent  
LA Spanish  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	ES 411086	A1	19760716	ES 1973-411086	19730130
PRAI	ES 1973-411086		19730130		
IT	<b>49703-05-1P 49703-06-2P</b>				
	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (prepn. and redn. of)				
RN	49703-05-1	CAPLUS			
CN	Ethanone, 2-[(1-methylethyl)amino]-1-(2-thienyl)-, hydrochloride (9CI) (CA INDEX NAME)				



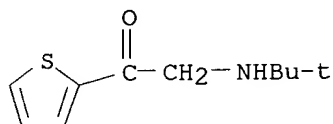
● HCl

RN 49703-06-2 CAPLUS

09/817,374

V. Balasubramanian

CN Ethanone, 2-[(1,1-dimethylethyl)amino]-1-(2-thienyl)-, hydrochloride (9CI)  
(CA INDEX NAME)



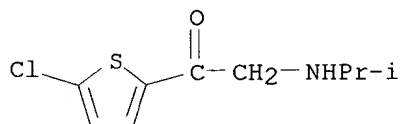
● HCl

IT 49703-07-3P 49703-08-4P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN 49703-07-3 CAPLUS

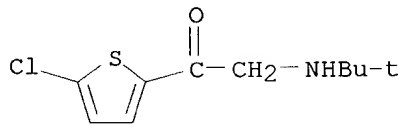
CN Ethanone, 1-(5-chloro-2-thienyl)-2-[(1-methylethyl)amino]-, hydrochloride  
(9CI) (CA INDEX NAME)



● HCl

RN 49703-08-4 CAPLUS

CN Ethanone, 1-(5-chloro-2-thienyl)-2-[(1,1-dimethylethyl)amino]-,  
hydrochloride (9CI) (CA INDEX NAME)



● HCl

L5 ANSWER 315 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1977:422282 CAPLUS

DN 87:22282

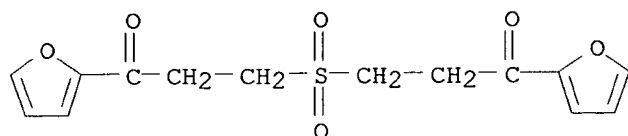
TI Synthesis of symmetrical sulfones from sodium hydroxymethanesulfinate and  
Mannich bases

AU Messinger, P.; Greve, H.

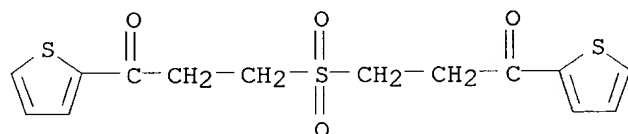
CS Inst. Pharm. Chem., Univ. Hamburg, Hamburg, Fed. Rep. Ger.

V. Balasubramanian

SO Synthesis (1977), (4), 259-61  
CODEN: SYNTBF; ISSN: 0039-7881  
DT Journal  
LA German  
IT **63261-21-2P 63261-22-3P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)  
RN 63261-21-2 CAPLUS  
CN 1-Propanone, 3,3'-sulfonylbis[1-(2-furanyl)- (9CI) (CA INDEX NAME)



RN 63261-22-3 CAPLUS  
CN 1-Propanone, 3,3'-sulfonylbis[1-(2-thienyl)- (9CI) (CA INDEX NAME)



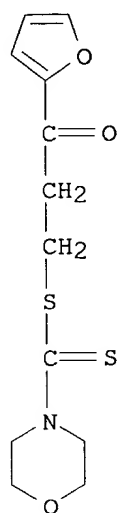
L5 ANSWER 316 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1977:115370 CAPLUS  
DN 86:115370  
TI Dithiocarbamic acid derivative-containing drug preparations for the prevention and treatment of mycoplasmosis  
IN Seki, Isao; Kitano, Noritoshi; Kondo, Fusao  
PA Sankyo Co., Ltd., Japan  
SO Ger. Offen., 64 pp.  
CODEN: GWXXBX  
DT Patent  
LA German  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2625823	A1	19761230	DE 1976-2625823	19760609
	JP 52001033	A2	19770106	JP 1975-69324	19750609
	JP 52044241	A2	19770407	JP 1975-118580	19751001
	FR 2313924	A1	19770107	FR 1976-17385	19760609
	BR 7603690	A	19770118	BR 1976-3690	19760609
PRAI	JP 1975-69324		19750609		
	JP 1975-118580		19751001		

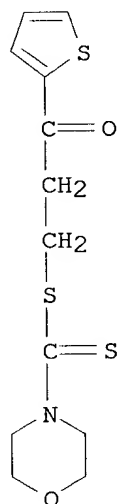
IT **61998-29-6P 61998-30-9P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of, for Mycoplasma prevention and treatment)  
RN 61998-29-6 CAPLUS  
CN 4-Morpholinecarbodithioic acid, 3-(2-furanyl)-3-oxopropyl ester (9CI) (CA INDEX NAME)



V. Balasubramanian



RN 61998-30-9 CAPLUS  
CN 4-Morpholinecarbonyl-3-oxo-3-(2-thienyl)propyl ester (9CI) (CA  
INDEX NAME)

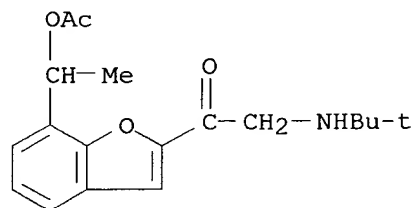


L5 ANSWER 317 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1976:432827 CAPLUS  
DN 85:32827  
TI .alpha.-[(tert-Butylamine)methyl]-2-benzofuranmethanols  
IN Fothergill, Graham A.; Osbond, John M.; Wickens, James C.  
PA Hoffmann-La Roche, F., und Co., A.-G., Switz.  
SO Ger. Offen., 30 pp.  
CODEN: GWXXBX  
DT Patent  
LA German  
FAN.CNT 1

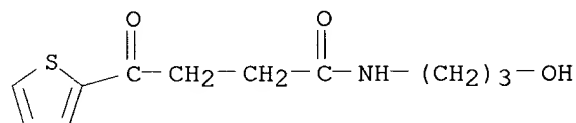
09/817,374

## V. Balasubramanian

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2542611	A1	19760422	DE 1975-2542611	19750924
	DE 2542611	C2	19841220		
	GB 1472959	A	19770511	GB 1974-41890	19750829
	ZA 7505635	A	19760825	ZA 1975-5635	19750903
	CH 612960	A	19790831	CH 1975-11456	19750904
	IL 48063	A1	19791031	IL 1975-48063	19750905
	AU 7584724	A1	19770317	AU 1975-84724	19750911
	AU 496897	B2	19781109		
	US 3972900	A	19760803	US 1975-613687	19750915
	CA 1059525	A1	19790731	CA 1975-235651	19750917
	FI 7502640	A	19760327	FI 1975-2640	19750922
	FI 60002	B	19810731		
	FI 60002	C	19811110		
	SE 7510671	A	19760329	SE 1975-10671	19750923
	SE 422326	B	19820301		
	SE 422326	C	19820610		
	FR 2285870	A1	19760423	FR 1975-29227	19750924
	FR 2285870	B1	19800328		
	BE 833785	A1	19760325	BE 1975-160343	19750925
	DK 7504322	A	19760327	DK 1975-4322	19750925
	DK 136529	B	19771024		
	NO 7503267	A	19760329	NO 1975-3267	19750925
	NO 144039	B	19810302		
	NO 144039	C	19810610		
	JP 51063168	A2	19760601	JP 1975-114965	19750925
	JP 60004177	B4	19850201		
	DD 122521	C	19761012	DD 1975-188563	19750925
	ES 441266	A1	19770316	ES 1975-441266	19750925
	AT 349003	B	19790312	AT 1975-7346	19750925
	AT 7507346	A	19780815		
	NL 7511363	A	19760330	NL 1975-11363	19750926
	AT 350547	B	19790611	AT 1977-5946	19770817
	AT 7705946	A	19781115		
	AT 350548	B	19790611	AT 1977-5947	19770817
	AT 7705947	A	19781115		
	CH 614437	A	19791130	CH 1979-1951	19790227
	CH 614438	A	19791130	CH 1979-1952	19790227
PRAI	GB 1974-41890		19740926		
	GB 1974-4189074		19740926		
	CH 1975-11456		19750904		
	AT 1975-7346		19770817		
IT	<b>59664-10-7P</b>				
	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (prepn. and redn. of)				
RN	59664-10-7 CAPLUS				
CN	Ethanone, 1-[7-[1-(acetyloxy)ethyl]-2-benzofuranyl]-2-[(1,1-dimethylethyl)amino]- (9CI) (CA INDEX NAME)				



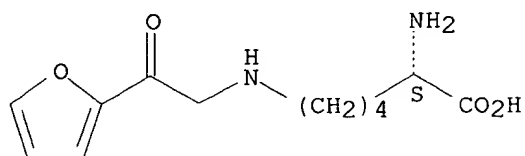
L5 ANSWER 318 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1976:99148 CAPLUS  
 DN 84:99148  
 TI Synthesis and central nervous system depressant activity of some bicyclic amides  
 AU Aeberli, Paul; Gogerty, John H.; Houlihan, William J.; Iorio, Louis C.  
 CS Res. Dev. Dep., Sandoz Pharm., Hanover, NJ, USA  
 SO Journal of Medicinal Chemistry (1976), 19(3), 436-8  
 CODEN: JMCMAR; ISSN: 0022-2623  
 DT Journal  
 LA English  
 IT **58137-32-9P**  
 RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)  
 (prepn. and pharmacol. of)  
 RN 58137-32-9 CAPLUS  
 CN 2-Thiophenebutanamide, N-(3-hydroxypropyl)-.gamma.-oxo- (9CI) (CA INDEX NAME)



L5 ANSWER 319 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1976:88126 CAPLUS  
 DN 84:88126  
 TI Isolation of N.epsilon.-(2-furoylmethyl)-L-lysine (furosine) from an acid hydrolyzate of casein heated with glucose  
 AU Nakai, Tadashi; Ohta, Takafumi; Hatsumi, Makiko; Horikoshi, Susumu  
 CS Fac. Pharm. Sci., Sci. Univ. Tokyo, Tokyo, Japan  
 SO Agricultural and Biological Chemistry (1975), 39(12), 2421-2  
 CODEN: ABCHA6; ISSN: 0002-1369  
 DT Journal  
 LA English  
 IT **19746-33-9**  
 RL: BIOL (Biological study)  
 (from casein-glucose reaction)  
 RN 19746-33-9 CAPLUS  
 CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

V. Balasubramanian

Absolute stereochemistry.



L5 ANSWER 320 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1975:514197 CAPLUS

DN 83:114197

TI Derivatives of 1-(2-thienyl)-2-aminoethanol

IN Corral Saleta, Carlos; Del Rio Zambrana, Joaquin; Martinez Rolden, Cristobal; Fernandez Brana, Miguel; Madronero, Ramon

PA Laboratorios Made S. A., Spain

SO Brit., 5 pp.

CODEN: BRXXAA

DT Patent

LA English

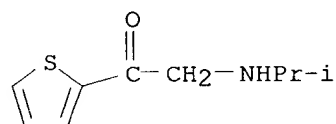
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 1396042	A	19750529	GB 1973-5043	19730201
PRAI	GB 1973-5043		19730201		
IT	<b>49703-05-1P 49703-06-2P</b>				

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (prepn. and redn. of)

RN 49703-05-1 CAPLUS

CN Ethanone, 2-[(1-methylethyl)amino]-1-(2-thienyl)-, hydrochloride (9CI) (CA INDEX NAME)

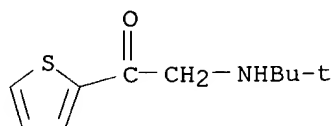


● HCl

RN 49703-06-2 CAPLUS

CN Ethanone, 2-[(1,1-dimethylethyl)amino]-1-(2-thienyl)-, hydrochloride (9CI) (CA INDEX NAME)

V. Balasubramanian



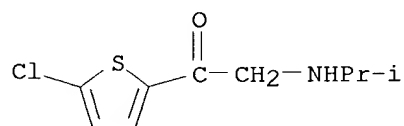
● HCl

IT 49703-07-3P 49703-08-4P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN 49703-07-3 CAPLUS

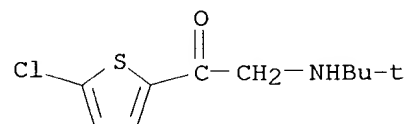
CN Ethanone, 1-(5-chloro-2-thienyl)-2-[(1-methylethyl)amino]-, hydrochloride  
(9CI) (CA INDEX NAME)



● HCl

RN 49703-08-4 CAPLUS

CN Ethanone, 1-(5-chloro-2-thienyl)-2-[(1,1-dimethylethyl)amino]-,  
hydrochloride (9CI) (CA INDEX NAME)



● HCl

L5 ANSWER 321 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1975:479110 CAPLUS

DN 83:79110

TI Action of amines on 4-hydroxy-2-oxo-2H-pyrano[3,2-b]thianaphthenes

AU Ali, Mohamed I.; Samy, Salah M.

CS Fac. Sci., Cairo Univ., Giza, Egypt

SO Egyptian Journal of Chemistry (1974), Volume Date 1973, (Spec. Issue),  
169-77

CODEN: EGJCA3; ISSN: 0449-2285

DT Journal

V. Balasubramanian

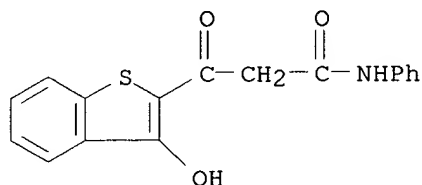
LA English

IT 2035-57-6P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN 2035-57-6 CAPLUS

CN Benzo[b]thiophene-2-propanamide, 3-hydroxy-.beta.-oxo-N-phenyl- (9CI) (CA INDEX NAME)



L5 ANSWER 322 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1975:443189 CAPLUS

DN 83:43189

TI Indole aminoketones

IN Posselt, Klaus; Thiele, Kurt

PA Deutsche Gold- und Silber-Scheideanstalt vorm. Roessler, Fed. Rep. Ger.

SO U.S., 8 pp. Continuation-in-part of U. S. 3,658,845 (CA 77;19630s).

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3859305	A	19750107	US 1971-137575	19710426
	US 3514465	A	19700526	US 1967-693138	19671226
	US 3658845	A	19720425	US 1970-18300	19700310
PRAI	US 1967-693138		19671226		
	US 1970-18300		19700310		
	DE 1966-D51910		19661230		
	DE 1966-D51911		19661230		

IT 28745-69-9P 28745-70-2P 28745-76-8P

28745-86-0P 28745-90-6P 28763-18-0P

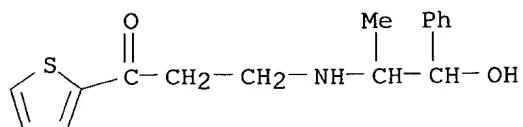
38977-57-0P 55895-74-4P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN 28745-69-9 CAPLUS

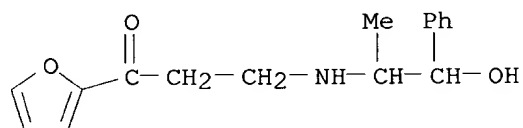
CN 1-Propanone, 3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-1-(2-thienyl)-, hydrochloride (9CI) (CA INDEX NAME)

V. Balasubramanian



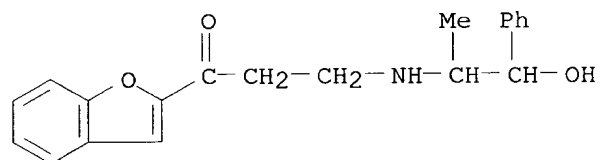
● HCl

RN 28745-70-2 CAPLUS  
CN 1-Propanone, 1-(2-furanyl)-3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

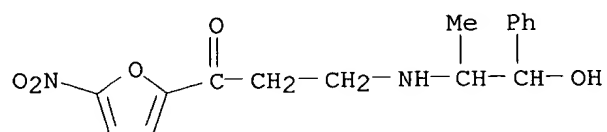
RN 28745-76-8 CAPLUS  
CN 1-Propanone, 1-(2-benzofuranyl)-3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 28745-86-0 CAPLUS  
CN 1-Propanone, 3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-1-(5-nitro-2-furanyl)-, monohydrochloride (9CI) (CA INDEX NAME)

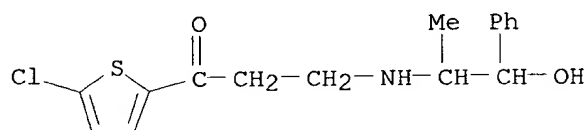
V. Balasubramanian



● HCl

RN 28745-90-6 CAPLUS

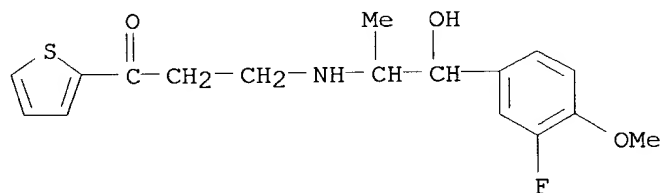
CN 1-Propanone, 1-(5-chloro-2-thienyl)-3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 28763-18-0 CAPLUS

CN 1-Propanone, 3-[[2-(3-fluoro-4-methoxyphenyl)-2-hydroxy-1-methylethyl]amino]-1-(2-thienyl)-, hydrochloride, (+)- (9CI) (CA INDEX NAME)



● HCl

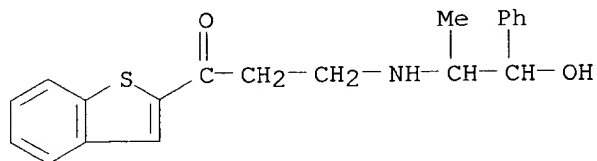
RN 38977-57-0 CAPLUS

CN 1-Propanone, 3-[[2-(2-chlorophenyl)-2-hydroxyethyl]amino]-1-(2-thienyl)-, hydrochloride (9CI) (CA INDEX NAME)

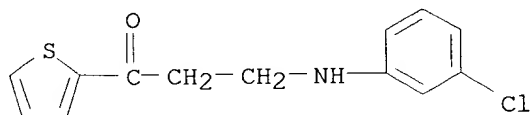


O=C(c1ccsc1)CCNC(CO)c2ccccc2Cl

RN	55895-74-4	CAPLUS
CN	1-Propanone, 1-benzo[b]thien-2-yl-3-[(2-hydroxy-1-methyl-2-phenyl)amino]-, hydrochloride (9CI) (CA INDEX NAME)	

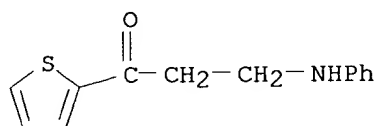


L5 ANSWER 323 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1975:409727 CAPLUS  
 DN 83:9727  
 TI Synthesis of heterocyclic compounds. XII. Cyclodehydration of  
 1-arylamino-3-alkanols  
 AU Gogte, V. N.; Mukhedkar, V. A.; El Namaky, H. M.; Salama, Mrs. M. A.;  
 Tilak, B. D.  
 CS Natl. Chem. Lab., Poona, India  
 SO Indian Journal of Chemistry (1974), 12(12), 1234-7  
 CODEN: IJOCAP; ISSN: 0019-5103  
 DT Journal  
 LA English  
 IT **55439-03-7P**  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (prepn. and redn. of)  
 RN 55439-03-7 CAPLUS  
 CN 1-Propanone, 3-[(3-chlorophenyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX  
 NAME)

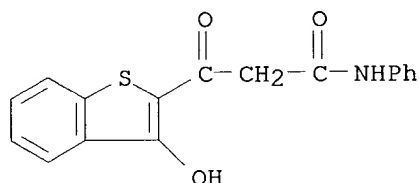


V. Balasubramanian

IT **21280-44-4**  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(redn. of)  
RN 21280-44-4 CAPLUS  
CN 1-Propanone, 3-(phenylamino)-1-(2-thienyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 324 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1974:449595 CAPLUS  
DN 81:49595  
TI Action of amines on 4-hydroxy-2-oxo-2H-pyrano[3,2-b]thianaphthenes  
AU Ali, Mohamed I.; Samy, Salah M.  
CS Fac. Sci., Univ. Cairo, Giza, Egypt  
SO Egyptian Journal of Chemistry (1973), (Special), 169-77  
CODEN: EGJCA3; ISSN: 0449-2285  
DT Journal  
LA English  
IT **2035-57-6P**  
RL: PREP (Preparation)  
(from hydroxy(2-oxo)pyranothianaphthene and aniline)  
RN 2035-57-6 CAPLUS  
CN Benzo[b]thiophene-2-propanamide, 3-hydroxy-.beta.-oxo-N-phenyl- (9CI) (CA INDEX NAME)



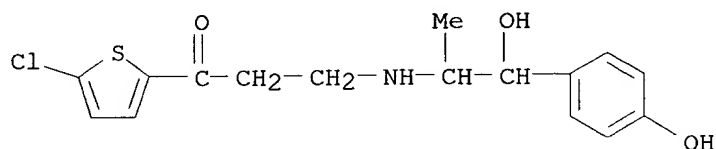
L5 ANSWER 325 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1974:413378 CAPLUS  
DN 81:13378  
TI 3-(3-[1-(4-Hydroxyphenyl)-1-hydroxypropyl-(2)-amino]-propionyl-thiophene  
IN Posselt, Klaus  
PA Deutsche Gold- und Silber-Scheideanstalt vorm. Roessler  
SO U.S., 5 pp.  
CODEN: USXXAM  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3803173	A	19740409	US 1971-137576	19710426

V. Balasubramanian

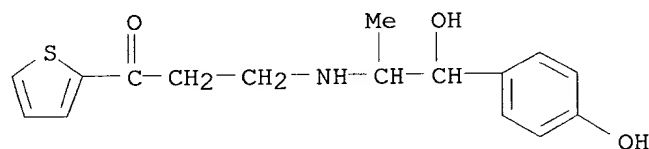
PRAI US 1971-137576 19710426  
IT 35056-53-2P 35056-56-5P 35056-57-6P  
35056-60-1P 35075-66-2P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN 35056-53-2 CAPLUS  
CN 1-Propanone, 1-(5-chloro-2-thienyl)-3-[[2-hydroxy-2-(4-hydroxyphenyl)-1-methylethyl]amino]-, hydrochloride (9CI) (CA INDEX NAME)



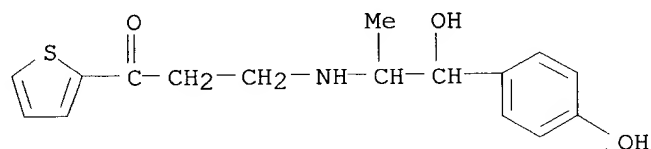
● HCl

RN 35056-56-5 CAPLUS  
CN 1-Propanone, 3-[[2-hydroxy-2-(4-hydroxyphenyl)-1-methylethyl]amino]-1-(2-thienyl)-, hydrochloride (9CI) (CA INDEX NAME)



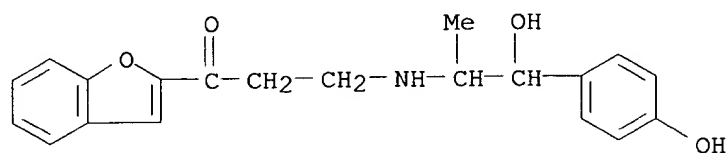
● HCl

RN 35056-57-6 CAPLUS  
CN 1-Propanone, 3-[[2-hydroxy-2-(4-hydroxyphenyl)-1-methylethyl]amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



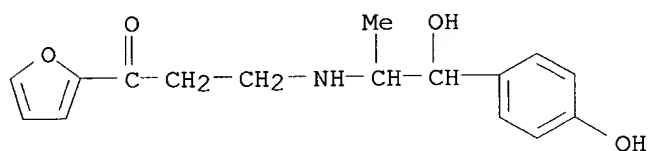
RN 35056-60-1 CAPLUS  
CN 1-Propanone, 1-(2-benzofuranyl)-3-[[2-hydroxy-2-(4-hydroxyphenyl)-1-methylethyl]amino]-, hydrochloride (9CI) (CA INDEX NAME)

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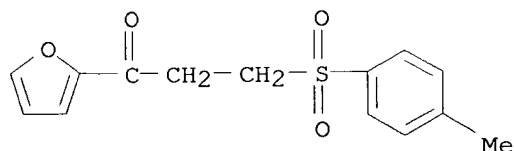
● HCl

RN 35075-66-2 CAPLUS  
CN 1-Propanone, 1-(2-furanyl)-3-[[2-hydroxy-2-(4-hydroxyphenyl)-1-methylethyl]amino]-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

L5 ANSWER 326 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1974:403526 CAPLUS  
DN 81:3526  
TI Reaction of activated sulfones with nucleophiles. 3. Sulfones as chemical carrier forms of germicidal substances  
AU Messinger, P.  
CS Inst. Pharm. Chem., Univ. Hamburg, Hamburg, Fed. Rep. Ger.  
SO Pharmazie (1974), 29(3), 172-4  
CODEN: PHARAT; ISSN: 0031-7144  
DT Journal  
LA German  
IT **50366-61-5**  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, with piperidine)  
RN 50366-61-5 CAPLUS  
CN 1-Propanone, 1-(2-furanyl)-3-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)

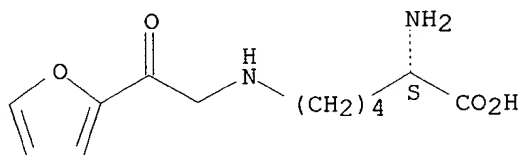


L5 ANSWER 327 OF 409 CAPLUS COPYRIGHT 2003 ACS

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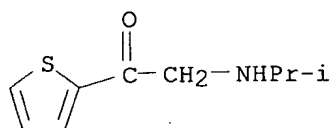
AN 1974:94297 CAPLUS  
DN 80:94297  
TI Determination of furosine in foods and feeds  
AU Brandt, Andrea; Erbersdobler, H.  
CS Inst. Tierphysiol., Univ. Muenchen, Munich, Fed. Rep. Ger.  
SO Landwirtschaftliche Forschung, Sonderheft (1973), 28(2), 115-19  
CODEN: SZLFA3; ISSN: 0457-110X  
DT Journal  
LA German  
IT **19746-33-9**  
RL: ANT (Analyte); ANST (Analytical study)  
(detection of, of milk, lysine heat damage in relation to)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 328 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1974:47831 CAPLUS  
DN 80:47831  
TI 1-(2-Thienyl)-2-aminoethanol derivatives  
PA Laboratorios Made, S. A.; Patronato de Investigacion Cientifica y Tecnica  
"Juan de la Cierva"  
SO Span., 12 pp.  
CODEN: SPXXAD  
DT Patent  
LA Spanish  
FAN.CNT 1  
PATENT NO. KIND DATE APPLICATION NO. DATE  
-----  
PI ES 381478 A1 19721116 ES 1970-381478 19700706  
PRAI ES 1970-381478 19700706  
IT **49703-05-1P 49703-06-2P 49703-07-3P**  
**49703-08-4P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)  
RN 49703-05-1 CAPLUS  
CN Ethanone, 2-[(1-methylethyl)amino]-1-(2-thienyl)-, hydrochloride (9CI)  
(CA INDEX NAME)

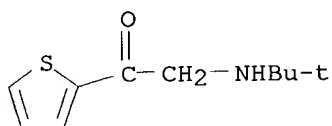
V. Balasubramanian



● HCl

RN 49703-06-2 CAPLUS

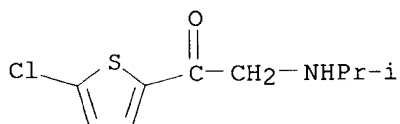
CN Ethanone, 2-[(1,1-dimethylethyl)amino]-1-(2-thienyl)-, hydrochloride (9CI)  
(CA INDEX NAME)



● HCl

RN 49703-07-3 CAPLUS

CN Ethanone, 1-(5-chloro-2-thienyl)-2-[(1-methylethyl)amino]-, hydrochloride  
(9CI) (CA INDEX NAME)

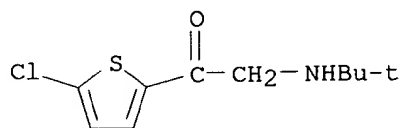


● HCl

RN 49703-08-4 CAPLUS

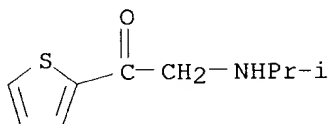
CN Ethanone, 1-(5-chloro-2-thienyl)-2-[(1,1-dimethylethyl)amino]-, hydrochloride (9CI) (CA INDEX NAME)

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● HCl

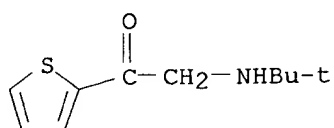
L5 ANSWER 329 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1974:22499 CAPLUS  
DN 80:22499  
TI N-Substituted 2-amino-1-(2-thienyl)ethanols as .beta.-adrenergic blocking agents  
AU Corral, C.; Darias, V.; Fernandez-Tome, M. P.; Madronero, R.; Del Rio, J.  
CS Dep. Med. Chem., Cent. Nac. Quim. Org., Madrid, Spain  
SO Journal of Medicinal Chemistry (1973), 16(8), 882-5  
CODEN: JMCMAR; ISSN: 0022-2623  
DT Journal  
LA English  
IT 49703-05-1P 49703-06-2P 49703-07-3P  
49703-08-4P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)  
RN 49703-05-1 CAPLUS  
CN Ethanone, 2-[(1-methylethyl)amino]-1-(2-thienyl)-, hydrochloride (9CI)  
(CA INDEX NAME)



● HCl

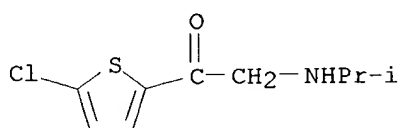
RN 49703-06-2 CAPLUS  
CN Ethanone, 2-[(1,1-dimethylethyl)amino]-1-(2-thienyl)-, hydrochloride (9CI)  
(CA INDEX NAME)

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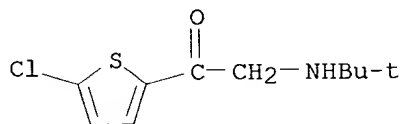
● HCl

RN 49703-07-3 CAPLUS  
CN Ethanone, 1-(5-chloro-2-thienyl)-2-[(1-methylethyl)amino]-, hydrochloride  
(9CI) (CA INDEX NAME)



● HCl

RN 49703-08-4 CAPLUS  
CN Ethanone, 1-(5-chloro-2-thienyl)-2-[(1,1-dimethylethyl)amino]-, hydrochloride (9CI) (CA INDEX NAME)



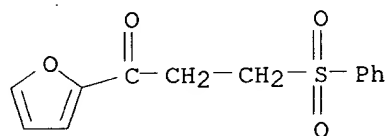
● HCl

L5 ANSWER 330 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1973:536695 CAPLUS  
DN 79:136695  
TI Sulfones as chemical transports of germicidal substances. 2. Sulfones via Mannich bases  
AU Messinger, P.  
CS Inst. Pharm. Chem., Univ. Hamburg, Hamburg, Fed. Rep. Ger.  
SO Archiv der Pharmazie (Weinheim, Germany) (1973), 306(8), 603-10  
CODEN: ARPMAS; ISSN: 0365-6233  
DT Journal  
LA German  
IT 50366-60-4P 50366-61-5P 50366-62-6P  
RL: SPN (Synthetic preparation); PREP (Preparation)

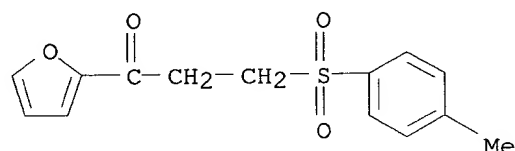


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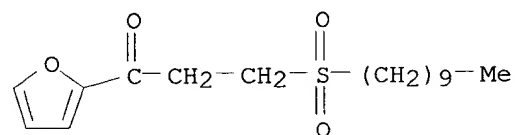
(prepn. of)  
RN 50366-60-4 CAPLUS  
CN 1-Propanone, 1-(2-furanyl)-3-(phenylsulfonyl)- (9CI) (CA INDEX NAME)



RN 50366-61-5 CAPLUS  
CN 1-Propanone, 1-(2-furanyl)-3-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)



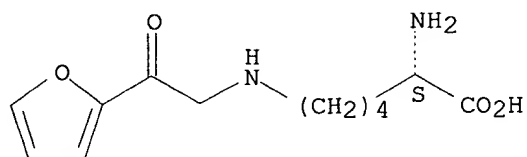
RN 50366-62-6 CAPLUS  
CN 1-Propanone, 3-(decylsulfonyl)-1-(2-furanyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 331 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1973:464604 CAPLUS  
DN 79:64604  
TI Importance of fructose lysins and their decomposition products furosine and pyridosine for the quality control of foods  
AU Sulser, H.  
CS Forsch. Inst., Firma Knorr A.-G., Zurich, Switz.  
SO Lebensmittel-Wissenschaft und -Technologie (1973), 6(2), 66-9  
CODEN: LBWTAP; ISSN: 0023-6438  
DT Journal; General Review  
LA German  
IT **19746-33-9**  
RL: BIOL (Biological study)  
(food quality in relation to)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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L5 ANSWER 332 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1973:419112 CAPLUS  
DN 79:19112  
TI Bronchial secretion-liquefying S-(3-aryl-3-oxopropyl)cysteines  
IN Mauvernay, Roland Yves; Moleyre, Jacques; Monteil, Andre; Simond, Jacques;  
Bush, Norbert  
PA Centre Europeen de Recherches Mauvernay  
SO Ger. Offen., 10 pp.  
CODEN: GWXXBX  
DT Patent  
LA German  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2248172	A1	19730426	DE 1972-2248172	19720930
	DE 2248172	B2	19760513		
	DE 2248172	C3	19770113		
	FR 2155893	A1	19730525	FR 1971-36840	19711013
	CH 549557	A	19740531	CH 1972-14325	19720926
	ES 407268	A1	19760616	ES 1972-407268	19721003
	BE 789838	A1	19730201	BE 1972-122889	19721009
	ZA 7207178	A	19730829	ZA 1972-7178	19721009
	NL 7213687	A	19730417	NL 1972-13687	19721010
	AU 7247663	A1	19740426	AU 1972-47663	19721011
	CA 978978	A1	19751202	CA 1972-154112	19721011
	US 4011240	A	19770308	US 1972-296902	19721012
	GB 1346706	A	19740213	GB 1972-47446	19721013
	JP 49047333	A2	19740508	JP 1972-101945	19721013
	AT 319203	B	19741210	AT 1972-8793	19721013
PRAI	FR 1971-36840		19711013		

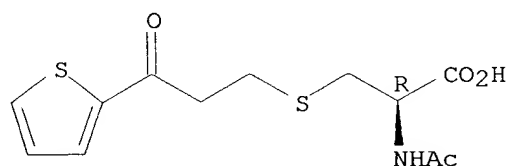
IT **42293-74-3P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN 42293-74-3 CAPLUS

CN L-Cysteine, N-acetyl-S-[3-oxo-3-(2-thienyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 333 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1973:136051 CAPLUS

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DN 78:136051  
TI 2-3-Phenyl-3(hydroxypropylamino) ethyl-3-thienyl ketone  
IN Posselt, Klaus; Thiele, Kurt  
SO U.S., 7 pp. Continuation-in-part of U.S. 3,514,465 (CA 73:7724n).  
CODEN: USXXAM

DT Patent  
LA English

FAN.CNT 5

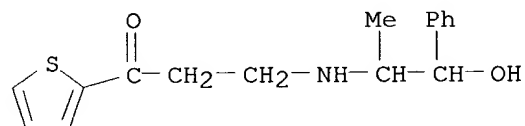
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3715369	A	19730206	US 1970-23455	19700327
	DE 1670547	A	19701112	DE 1966-D51911	19661230
	DE 1543538	A1	19760205	DE 1966-D51910	19661230
	US 3514465	A	19700526	US 1967-693138	19671226
PRAI	DE 1966-D51910		19661230		
	DE 1966-D51911		19661230		
	US 1967-693138		19671226		

IT **28745-68-8P 28745-69-9P 28745-70-2P**  
**28745-76-8P 28745-86-0P 28745-90-6P**  
**28763-18-0P 38977-57-0P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

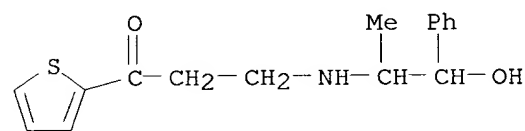
RN 28745-68-8 CAPLUS

CN 1-Propanone, 3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-1-(2-thienyl)-  
(9CI) (CA INDEX NAME)



RN 28745-69-9 CAPLUS

CN 1-Propanone, 3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-1-(2-thienyl)-,  
hydrochloride (9CI) (CA INDEX NAME)

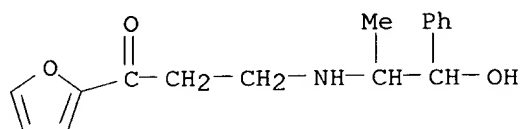


● HCl

RN 28745-70-2 CAPLUS

CN 1-Propanone, 1-(2-furanyl)-3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-,  
hydrochloride (9CI) (CA INDEX NAME)

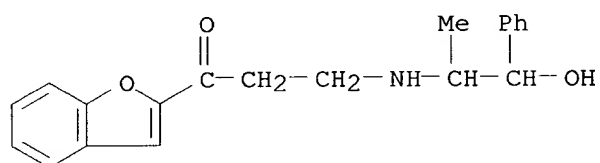
V. Balasubramanian



● HCl

RN 28745-76-8 CAPLUS

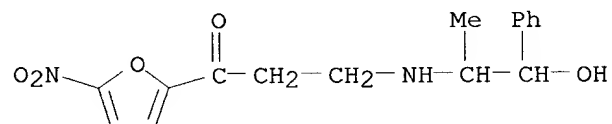
CN 1-Propanone, 1-(2-benzofuranyl)-3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 28745-86-0 CAPLUS

CN 1-Propanone, 3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-1-(5-nitro-2-furanyl)-, monohydrochloride (9CI) (CA INDEX NAME)

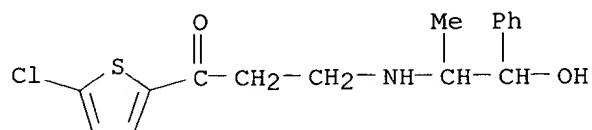


● HCl

RN 28745-90-6 CAPLUS

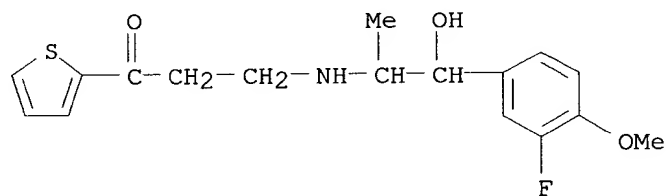
CN 1-Propanone, 1-(5-chloro-2-thienyl)-3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-, hydrochloride (9CI) (CA INDEX NAME)

V. Balasubramanian



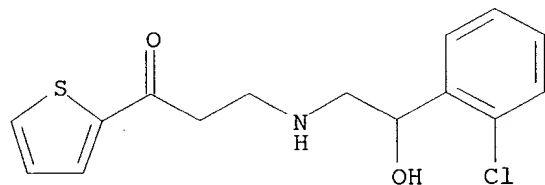
● HCl

RN 28763-18-0 CAPLUS  
CN 1-Propanone, 3-[[2-(3-fluoro-4-methoxyphenyl)-2-hydroxy-1-methylethyl]amino]-1-(2-thienyl)-, hydrochloride, (+)-(9CI) (CA INDEX NAME)



● HCl

RN 38977-57-0 CAPLUS  
CN 1-Propanone, 3-[[2-(2-chlorophenyl)-2-hydroxyethyl]amino]-1-(2-thienyl)-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

L5 ANSWER 334 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1973:43169 CAPLUS  
DN 78:43169  
TI Amino- and hydroxyamino derivatives of arylfurans  
AU Oleinik, A. F.; Vozyakova, T. I.; Modnikova, G. A.; Novitskii, K. Yu.  
CS Vses. Nauchno-Issled. Khim.-Farm. Inst. im. Ordzhonikidze, Moscow, USSR  
SO Khimiya Geterotsiklicheskikh Soedinenii (1972), (11), 1148-52  
CODEN: KGSSAQ; ISSN: 0132-6244

V. Balasubramanian

DT Journal

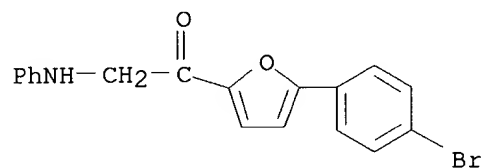
LA Russian

IT 39170-20-2P 39170-22-4P 39170-23-5P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

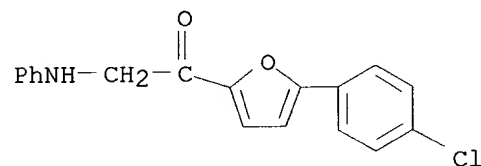
RN 39170-20-2 CAPLUS

CN Ethanone, 1-[5-(4-bromophenyl)-2-furanyl]-2-(phenylamino)- (9CI) (CA  
INDEX NAME)



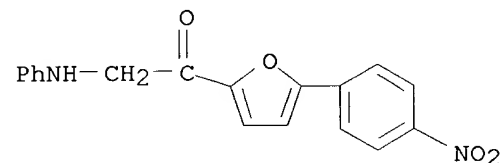
RN 39170-22-4 CAPLUS

CN Ethanone, 1-[5-(4-chlorophenyl)-2-furanyl]-2-(phenylamino)- (9CI) (CA  
INDEX NAME)



RN 39170-23-5 CAPLUS

CN Ethanone, 1-[5-(4-nitrophenyl)-2-furanyl]-2-(phenylamino)- (9CI) (CA  
INDEX NAME)



L5 ANSWER 335 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1972:552179 CAPLUS

DN 77:152179

TI Pyrazole and pyrazolinone amino ketones

IN Posselt, Klaus; Enkheim, Bergen; Thiele, Kurt

PA deut ge

SO U.S., 6 pp. Continuation-in-part of U.S. 3,514,465 (CA 76;72214n).

CODEN: USXXAM

DT Patent

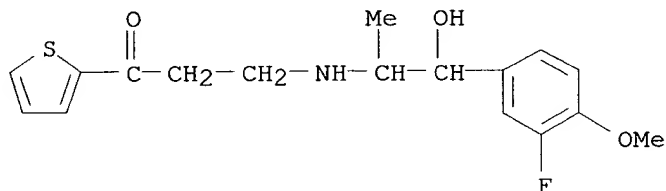
LA English

FAN.CNT 5

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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V. Balasubramanian

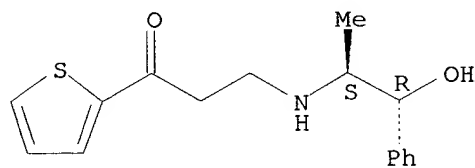
PI US 3686206 A 19720822 US 1970-19511 19700313  
 DE 1670547 A 19701112 DE 1966-D51911 19661230  
 DE 1543538 A1 19760205 DE 1966-D51910 19661230  
 FR 8021 M 19700803 FR 1967-8021 19671229  
 GB 1203810 A 19700903 GB 1967-1203810 19671229  
 AT 286978 B 19710111 AT 1967-11809 19671229  
 PRAI DE 1966-D51910 19661230  
 DE 1966-D51911 19661230  
 IT **28763-18-0P 35576-10-4P 35576-11-5P**  
**35580-11-1P 35580-23-5P 35580-28-0P**  
**38977-57-0P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of)  
 RN 28763-18-0 CAPLUS  
 CN 1-Propanone, 3-[[2-(3-fluoro-4-methoxyphenyl)-2-hydroxy-1-methylethyl]amino]-1-(2-thienyl)-, hydrochloride, (+)- (9CI) (CA INDEX NAME)



● HCl

RN 35576-10-4 CAPLUS  
 CN 1-Propanone, 3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-1-(2-thienyl)-, hydrochloride, [R-(R\*,S\*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

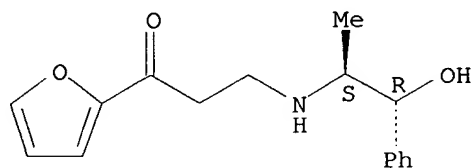


● HCl

RN 35576-11-5 CAPLUS  
 CN 1-Propanone, 1-(2-furanyl)-3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-, hydrochloride, [R-(R\*,S\*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

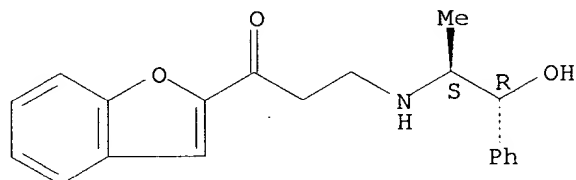
V. Balasubramanian



● HCl

RN 35580-11-1 CAPLUS  
CN 1-Propanone, 1-(2-benzofuranyl)-3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-, hydrochloride, [R-(R\*,S\*)]- (9CI) (CA INDEX NAME)

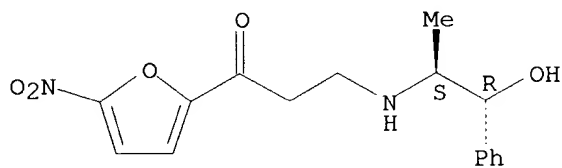
Absolute stereochemistry.



● HCl

RN 35580-23-5 CAPLUS  
CN 1-Propanone, 3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-1-(5-nitro-2-furanyl)-, monohydrochloride, [R-(R\*,S\*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



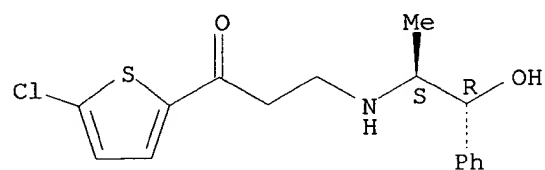
● HCl

RN 35580-28-0 CAPLUS  
CN 1-Propanone, 1-(5-chloro-2-thienyl)-3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-, hydrochloride, [R-(R\*,S\*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

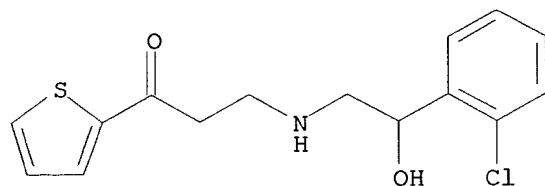


V. Balasubramanian



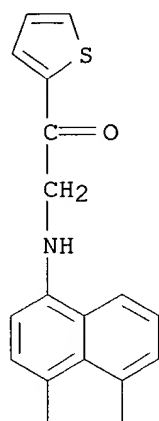
● HCl

RN 38977-57-0 CAPLUS  
CN 1-Propanone, 3-[[2-(2-chlorophenyl)-2-hydroxyethyl]amino]-1-(2-thienyl)-,  
hydrochloride (9CI) (CA INDEX NAME)



● HCl

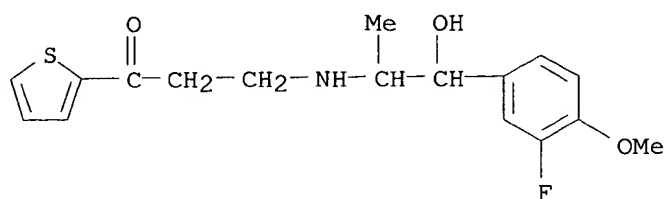
L5 ANSWER 336 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1972:551801 CAPLUS  
DN 77:151801  
TI Carcinogenic nitrogen compounds. LXXXII. Polycyclic indoles by the  
Mohlau-Bischler synthesis  
AU Bigot, P.; Saint-Ruf, G.; Buu-Hoi, N. P.  
CS Cent. Marcel Delepine, CNRS, Orleans-La-Source, Fr.  
SO Journal of the Chemical Society, Perkin Transactions 1: Organic and  
Bio-Organic Chemistry (1972-1999) (1972), (20), 2573-6  
CODEN: JCPRB4; ISSN: 0300-922X  
DT Journal  
LA English  
IT **38855-46-8P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)  
RN 38855-46-8 CAPLUS  
CN Ethanone, 2-[(1,2-dihydro-5-acenaphthylenyl)amino]-1-(2-thienyl)- (9CI)  
(CA INDEX NAME)



L5 ANSWER 337 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1972:419630 CAPLUS  
 DN 77:19630  
 TI Benzothiophene amino ketones and amino alcohols  
 IN Posselt, Klaus; Thiele, Kurt  
 PA Deutsche Gold- und Silber-Scheideanstalt vorm. Roessler  
 SO U.S., 5 pp. Division of U.S. 3,514,465 (CA 73;77214m).  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3658845	A	19720425	US 1970-18300	19700310
	DE 1670547	A	19701112	DE 1966-D51911	19661230
	DE 1543538	A1	19760205	DE 1966-D51910	19661230
	FR 8021	M	19700803	FR 1967-8021	19671229
	GB 1203810	A	19700903	GB 1967-1203810	19671229
	AT 286978	B	19710111	AT 1967-11809	19671229
	US 3859305	A	19750107	US 1971-137575	19710426
PRAI	DE 1966-D51910		19661230		
	DE 1966-D51911		19661230		
	US 1967-693138		19671226		
	US 1970-18300		19700310		
IT	<b>28763-18-0P 35576-10-4P 35576-11-5P</b>				
	<b>35580-11-1P 35580-23-5P 35580-28-0P</b>				
	<b>37421-99-1P</b>				
	RL: SPN (Synthetic preparation); PREP (Preparation)				
	(prepn. of)				
RN	28763-18-0	CAPLUS			
CN	1-Propanone, 3-[[2-(3-fluoro-4-methoxyphenyl)-2-hydroxy-1-methylethyl]amino]-1-(2-thienyl)-, hydrochloride, (+)-(9CI) (CA INDEX NAME)				

V. Balasubramanian

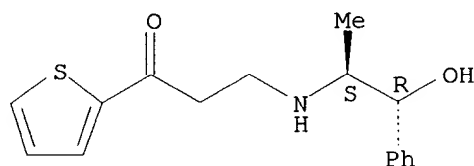


● HCl

RN 35576-10-4 CAPLUS

CN 1-Propanone, 3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-1-(2-thienyl)-, hydrochloride, [R-(R\*,S\*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

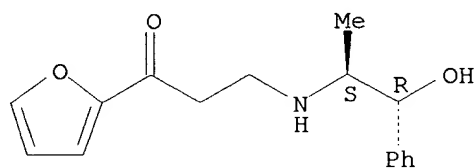


● HCl

RN 35576-11-5 CAPLUS

CN 1-Propanone, 1-(2-furanyl)-3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-, hydrochloride, [R-(R\*,S\*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



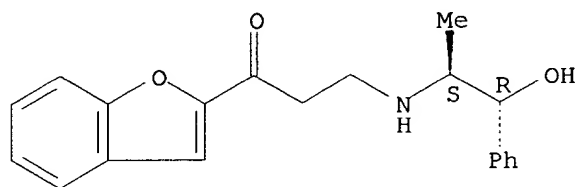
● HCl

RN 35580-11-1 CAPLUS

CN 1-Propanone, 1-(2-benzofuranyl)-3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-, hydrochloride, [R-(R\*,S\*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

V. Balasubramanian

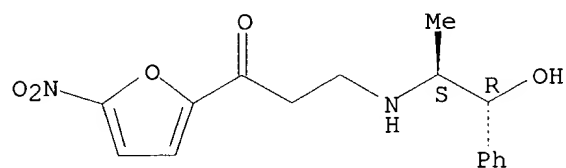


● HCl

RN 35580-23-5 CAPLUS

CN 1-Propanone, 3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-1-(5-nitro-2-furanyl)-, monohydrochloride, [R-(R\*,S\*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

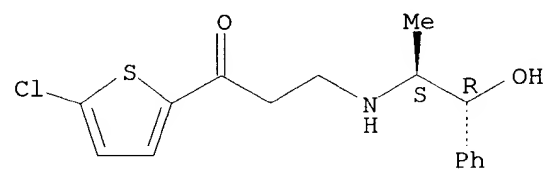


● HCl

RN 35580-28-0 CAPLUS

CN 1-Propanone, 1-(5-chloro-2-thienyl)-3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-, hydrochloride, [R-(R\*,S\*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

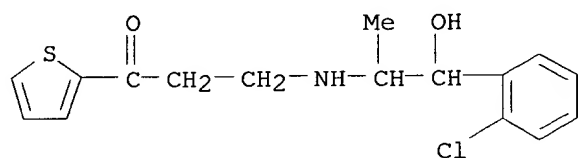


● HCl

RN 37421-99-1 CAPLUS

CN 1-Propanone, 3-[[2-(2-chlorophenyl)-2-hydroxy-1-methylethyl]amino]-1-(2-thienyl)-, hydrochloride (9CI) (CA INDEX NAME)

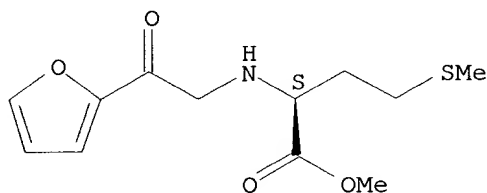
V. Balasubramanian



● HCl

L5 ANSWER 338 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1972:113497 CAPLUS  
DN 76:113497  
TI Mass spectral studies of N-(2-furanyl)glycine and related compounds  
AU Lipton, Samuel H.; Dutky, Robert C.  
CS Hum. Nutr. Res. Div., Agric. Res. Serv., Beltsville, MD, USA  
SO Journal of Agricultural and Food Chemistry (1972), 20(2), 235-7  
CODEN: JAFCAU; ISSN: 0021-8561  
DT Journal  
LA English  
IT **35644-05-4**  
RL: PROC (Process)  
(mass spectrum and NMR of)  
RN 35644-05-4 CAPLUS  
CN L-Methionine, N-[2-(2-furanyl)-2-oxoethyl]-, methyl ester, hydrochloride  
(9CI) (CA INDEX NAME)

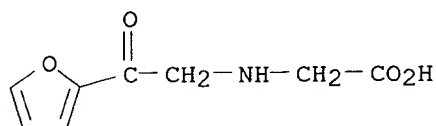
Absolute stereochemistry.



● HCl

IT **30888-19-8 35644-06-5 35644-09-8**  
RL: PRP (Properties)  
(mass spectrum of)  
RN 30888-19-8 CAPLUS  
CN Glycine, N-[2-(2-furanyl)-2-oxoethyl]-, hydrochloride (9CI) (CA INDEX NAME)

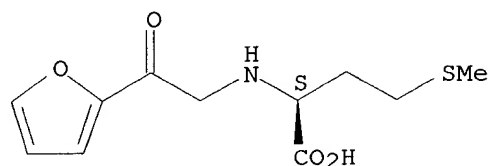
V. Balasubramanian



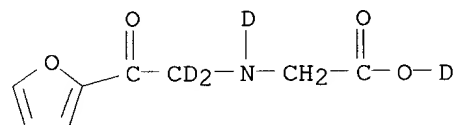
● HCl

RN 35644-06-5 CAPLUS  
CN L-Methionine, N-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



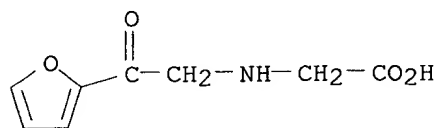
RN 35644-09-8 CAPLUS  
CN Glycine-N,1-d<sub>2</sub>, N-[2-(2-furanyl)-2-oxoethyl-1,1-d<sub>2</sub>]-, hydrochloride-d  
(9CI) (CA INDEX NAME)



● DCl

L5 ANSWER 339 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1972:113496 CAPLUS  
DN 76:113496  
TI Further chemical studies of N-(2-furacyl)glycine  
AU Lipton, Samuel H.; Bodwell, C. E.  
CS Hum. Nutr. Res. Div., Agric. Res. Serv., Beltsville, MD, USA  
SO Journal of Agricultural and Food Chemistry (1972), 20(2), 232-4  
CODEN: JAFCAU; ISSN: 0021-8561  
DT Journal  
LA English  
IT **30888-19-8**  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(hydrogenation of, Maillard reaction in relation to)  
RN 30888-19-8 CAPLUS  
CN Glycine, N-[2-(2-furanyl)-2-oxoethyl]-, hydrochloride (9CI) (CA INDEX NAME)

V. Balasubramanian



● HCl

L5 ANSWER 340 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1972:113205 CAPLUS  
DN 76:113205  
TI Thiazolyl and pyridyl amino alcohols  
IN Posselt, Klaus; Thiele, Kurt  
PA Deutsche Gold- und Silber-Scheideanstalt vorm. Roessler  
SO U.S., 6 pp. Continuation-in-part of U.S. 3,514,465 (CA 73;77214n).  
CODEN: USXXAM  
DT Patent  
LA English  
FAN.CNT 1

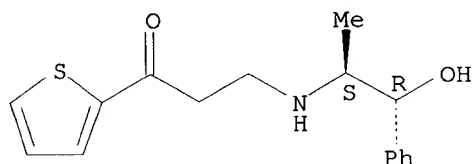
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3631055	A	19711228	US 1970-18279	19700310
PRAI	US 1970-18279		19700310		
IT	35576-09-1P 35576-10-4P 35576-11-5P 35580-11-1P 35580-23-5P 35580-26-8P 35580-28-0P 35580-29-1P				

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN 35576-09-1 CAPLUS

CN 1-Propanone, 3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-1-(2-thienyl)-,  
[R-(R\*,S\*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

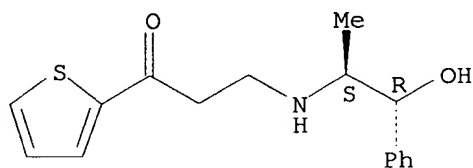


RN 35576-10-4 CAPLUS

CN 1-Propanone, 3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-1-(2-thienyl)-,  
hydrochloride, [R-(R\*,S\*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

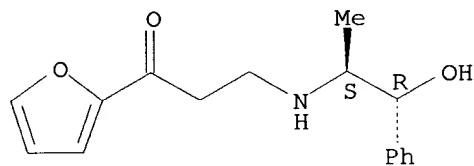
V. Balasubramanian



● HCl

RN 35576-11-5 CAPLUS  
CN 1-Propanone, 1-(2-furanyl)-3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-, hydrochloride, [R-(R\*,S\*)]- (9CI) (CA INDEX NAME)

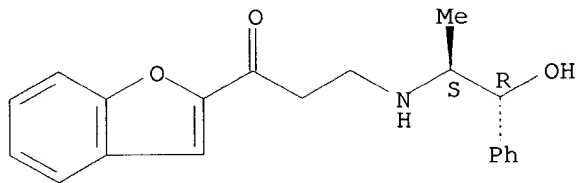
Absolute stereochemistry.



● HCl

RN 35580-11-1 CAPLUS  
CN 1-Propanone, 1-(2-benzofuranyl)-3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-, hydrochloride, [R-(R\*,S\*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



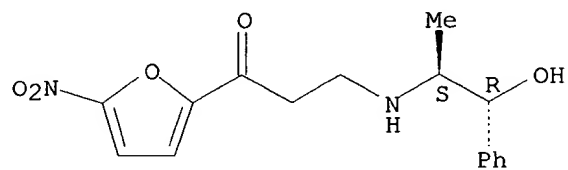
● HCl

RN 35580-23-5 CAPLUS  
CN 1-Propanone, 3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-1-(5-nitro-2-furanyl)-, monohydrochloride, [R-(R\*,S\*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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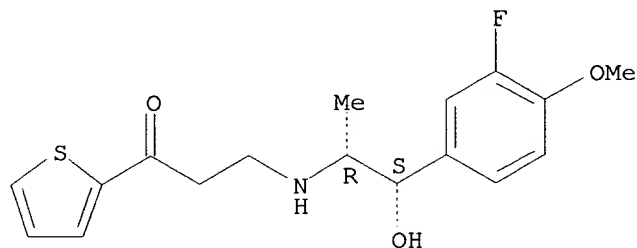


● HCl

RN 35580-26-8 CAPLUS

CN 1-Propanone, 3-[[2-(3-fluoro-4-methoxyphenyl)-2-hydroxy-1-methylethyl]amino]-1-(2-thienyl)-, hydrochloride, (R\*,S\*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

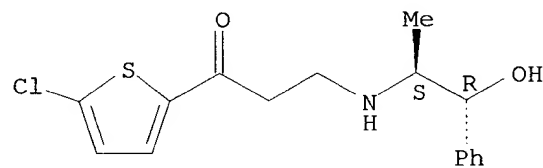


● HCl

RN 35580-28-0 CAPLUS

CN 1-Propanone, 1-(5-chloro-2-thienyl)-3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-, hydrochloride, [R-(R\*,S\*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



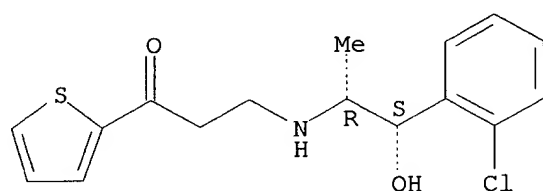
● HCl

RN 35580-29-1 CAPLUS

CN 1-Propanone, 3-[[2-(2-chlorophenyl)-2-hydroxy-1-methylethyl]amino]-1-(2-thienyl)-, hydrochloride, (R\*,S\*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

V. Balasubramanian



● HCl

L5 ANSWER 341 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1972:59440 CAPLUS  
 DN 76:59440  
 TI 3-[2-(p-Hydroxyphenyl)-2-hydroxy-1-methylethylamino]propionyl-substituted  
 indoles, (benzo)furans, and (benzo)thiophenes  
 IN Posselt, Klaus  
 PA Deutsche Gold- und Silber-Scheideanstalt vorm. Roessler  
 SO Ger. Offen., 23 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2121104	A	19711111	DE 1971-2121104	19710429
	AT 306710	B	19730425	AT 1970-3964	19700430
	CH 555333	A	19741031	CH 1971-4582	19710330
	FR 2092114	A5	19720121	FR 1971-15375	19710429
	FR 2092114	B1	19740823		
	JP 55029978	B4	19800807	JP 1972-42562	19720426
PRAI	AT 1970-3964		19700430		

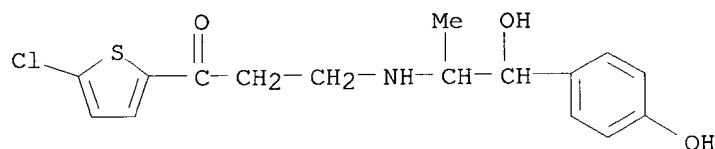
IT **35056-53-2P 35056-56-5P 35056-57-6P**

**35056-60-1P 35075-66-2P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of)

RN 35056-53-2 CAPLUS

CN 1-Propanone, 1-(5-chloro-2-thienyl)-3-[[2-hydroxy-2-(4-hydroxyphenyl)-1-methylethyl]amino]-, hydrochloride (9CI) (CA INDEX NAME)



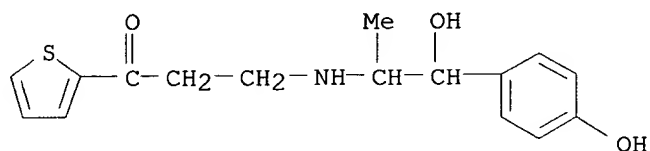
● HCl

RN 35056-56-5 CAPLUS

CN 1-Propanone, 3-[[2-hydroxy-2-(4-hydroxyphenyl)-1-methylethyl]amino]-1-(2-

V. Balasubramanian

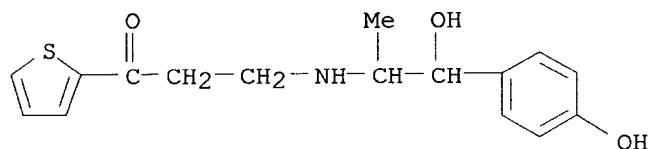
thienyl)-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

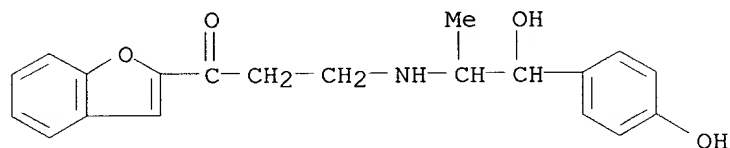
RN 35056-57-6 CAPLUS

CN 1-Propanone, 3-[[2-hydroxy-2-(4-hydroxyphenyl)-1-methylethyl]amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)



RN 35056-60-1 CAPLUS

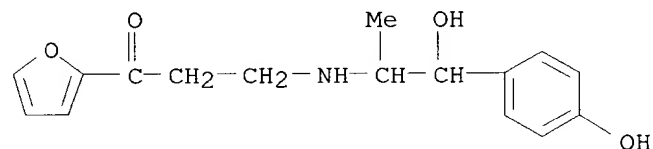
CN 1-Propanone, 1-(2-benzofuranyl)-3-[[2-hydroxy-2-(4-hydroxyphenyl)-1-methylethyl]amino]-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 35075-66-2 CAPLUS

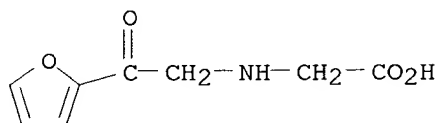
CN 1-Propanone, 1-(2-furanyl)-3-[[2-hydroxy-2-(4-hydroxyphenyl)-1-methylethyl]amino]-, hydrochloride (9CI) (CA INDEX NAME)



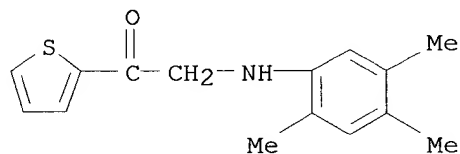
● HCl

V. Balasubramanian

L5 ANSWER 342 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1972:4135 CAPLUS  
DN 76:4135  
TI Effect of various acids on the formation of N-(2-furacyl)glycine from fructose-glycine  
AU Lipton, S. H.; Dutky, R. C.  
CS Hum. Nutr. Res. Div., Agric. Res. Serv., Beltsville, MD, USA  
SO Chemistry & Industry (London, United Kingdom) (1971), (39), 1099-100  
CODEN: CHINAG; ISSN: 0009-3068  
DT Journal  
LA English  
IT **30888-18-7P**  
RL: FORM (Formation, nonpreparative); PREP (Preparation)  
(formation of, by dehydration of fructose-glycine)  
RN 30888-18-7 CAPLUS  
CN Glycine, N-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)



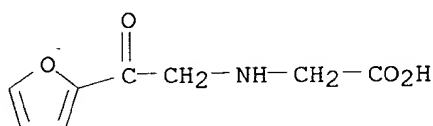
L5 ANSWER 343 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1971:498390 CAPLUS  
DN 75:98390  
TI Carcinogenic nitrogen compounds. LXXII. Moehlau-Bischler reaction as a preparative route to 2-arylindoles  
AU Buu-Hoi, N. P.; Saint-Ruf, G.; Deschamps, D.; Bigot, P.; Hieu, H. T.  
CS Cent. Marcel Delepine, CNRS, Orleans-La Source, Fr.  
SO Journal of the Chemical Society [Section] C: Organic (1971), (15), 2606-9  
CODEN: JSOOAX; ISSN: 0022-4952  
DT Journal  
LA English  
IT **33554-98-2P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)  
RN 33554-98-2 CAPLUS  
CN Ketone, 2-thienyl (2,4,5-trimethylanilino)methyl (8CI) (CA INDEX NAME)



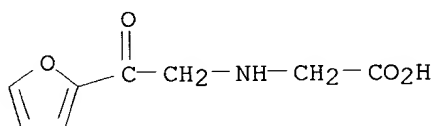
L5 ANSWER 344 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1971:49622 CAPLUS  
DN 74:49622

V. Balasubramanian

TI N-(2-Furacyl)glycine-a furan amino acid derived from fructose-glycine  
AU Lipton, Samuel H.; Finegold, Harold; Dutky, Robert C.  
CS Hum. Nutr. Res. Div., Agric. Res. Serv., Beltsville, MD, USA  
SO Journal of Agricultural and Food Chemistry (1971), 19(1), 125-9  
CODEN: JAFCAU; ISSN: 0021-8561  
DT Journal  
LA English  
IT **30888-18-7P 30888-19-8P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)  
RN 30888-18-7 CAPLUS  
CN Glycine, N-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)



RN 30888-19-8 CAPLUS  
CN Glycine, N-[2-(2-furanyl)-2-oxoethyl]-, hydrochloride (9CI) (CA INDEX NAME)



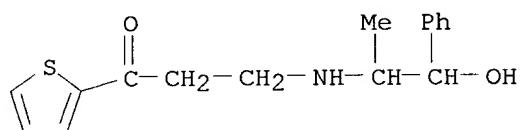
● HCl

L5 ANSWER 345 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1970:477214 CAPLUS  
DN 73:77214  
TI Coronary dilating 2-(3-phenyl-3-hydroxy-2-propylamino)ethyl heterocyclic ketones  
IN Posselt, Klaus; Enkheim, Bergen; Thiel, Kurt  
PA Deutsche Gold- und Silber-Scheideanstalt vorm. Roessler  
SO U.S., 6 pp.  
CODEN: USXXAM  
DT Patent  
LA English  
FAN.CNT 5

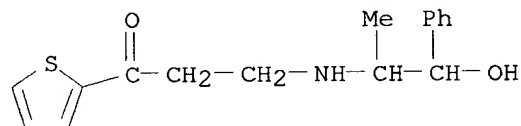
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3514465	A	19700526	US 1967-693138	19671226
	DE 1670547	A	19701112	DE 1966-D51911	19661230
	DE 1543538	A1	19760205	DE 1966-D51910	19661230
	FR 8021	M	19700803	FR 1967-8021	19671229
	GB 1203810	A	19700903	GB 1967-1203810	19671229
	AT 286978	B	19710111	AT 1967-11809	19671229

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	US 3715369	A	19730206	US 1970-23455	19700327
	US 3859305	A	19750107	US 1971-137575	19710426
PRAI	DE 1966-D51910		19661230		
	DE 1966-D51911		19661230		
	US 1967-693138		19671226		
	US 1970-18300		19700310		
IT	<b>28745-68-8P 28745-69-9P 28745-70-2P</b>				
	<b>28745-76-8P 28745-86-0P 28745-90-6P</b>				
	<b>28763-18-0P 28763-19-1P</b>				
	RL: SPN (Synthetic preparation); PREP (Preparation)				
	(prepn. of)				
RN	28745-68-8 CAPLUS				
CN	1-Propanone, 3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)				

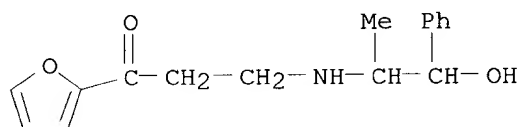


RN 28745-69-9 CAPLUS  
 CN 1-Propanone, 3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-1-(2-thienyl)-,  
 hydrochloride (9CI) (CA INDEX NAME)



● HCl

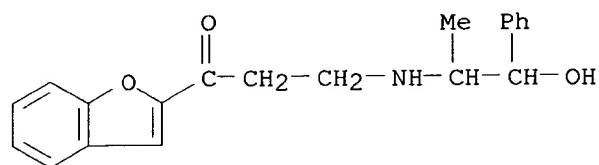
RN 28745-70-2 CAPLUS  
 CN 1-Propanone, 1-(2-furanyl)-3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-,  
 hydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 28745-76-8 CAPLUS  
 CN 1-Propanone, 1-(2-benzofuranyl)-3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-,  
 hydrochloride (9CI) (CA INDEX NAME)

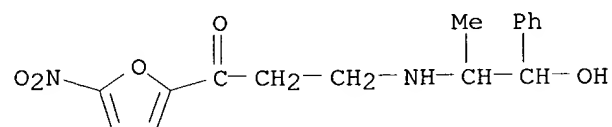
V. Balasubramanian



● HCl

RN 28745-86-0 CAPLUS

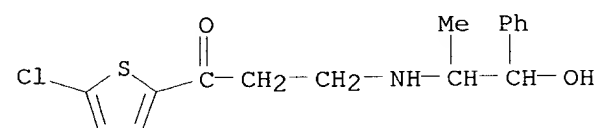
CN 1-Propanone, 3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-1-(5-nitro-2-furanyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 28745-90-6 CAPLUS

CN 1-Propanone, 1-(5-chloro-2-thienyl)-3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-, hydrochloride (9CI) (CA INDEX NAME)

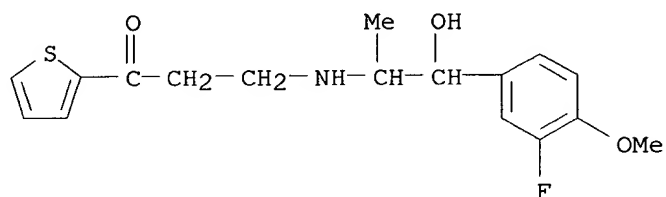


● HCl

RN 28763-18-0 CAPLUS

CN 1-Propanone, 3-[[2-(3-fluoro-4-methoxyphenyl)-2-hydroxy-1-methylethyl]amino]-1-(2-thienyl)-, hydrochloride, (+)- (9CI) (CA INDEX NAME)

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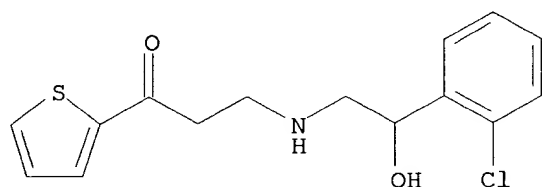


● HCl

RN 28763-19-1 CAPLUS

CN 1-Propanone, 3-[(o-chloro-beta-hydroxyphenethyl)amino]-1-(2-thienyl)-, hydrochloride (8CI) (CA INDEX NAME)

Rotation (+).



● HCl

L5 ANSWER 346 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1970:465129 CAPLUS

DN 73:65129

TI Loss of lysine during manufacture and storage of milk powder

AU Erbersdobler, Helmut

CS Inst. Tierphysiol., Univ. Muenchen, Munich, Fed. Rep. Ger.

SO Milchwissenschaft (1970), 25(5), 280-4

CODEN: MILCAD; ISSN: 0026-3788

DT Journal

LA German

IT **19746-33-9**

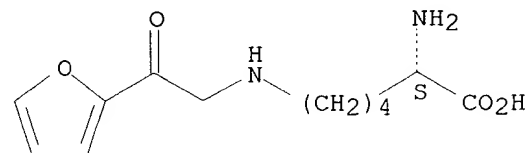
RL: BIOL (Biological study)

(of dry milk, as lysine source)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.





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L5 ANSWER 347 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1970:456113 CAPLUS

DN 73:56113

TI Ketones of the thiamine series

PA Arzneimittelwerk Fischer o.H.G.

SO Fr. Demande, 7 pp.

CODEN: FRXXBL

DT Patent

LA French

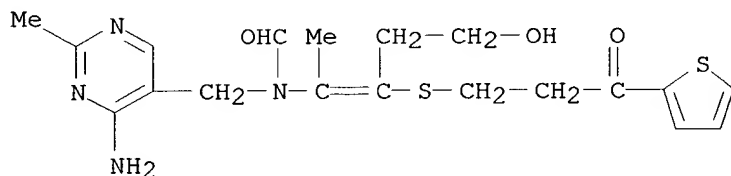
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2007874		19700116		
PRAI	DE		19680506		
IT	<b>28568-77-6P</b>				

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN 28568-77-6 CAPLUS

CN Formamide, N-[(4-amino-2-methyl-5-pyrimidinyl)methyl]-N-[4-hydroxy-1-methyl-2-[[2-(2-thenoyl)ethyl]thio]-1-butenyl]- (8CI) (CA INDEX NAME)



L5 ANSWER 348 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1970:402725 CAPLUS

DN 73:2725

TI Decomposition of fructose lysine in dehydrated vegetable food and in a model mixture following thermal treatment

AU Sulser, Hans; Buechi, W.

CS Forschungsinst., Knorr Naehrmittel A.-G., Zurich, Switz.

SO Lebensmittel-Wissenschaft und -Technologie (1969), 2(5), 105-8

CODEN: LBWTAP; ISSN: 0023-6438

DT Journal

LA German

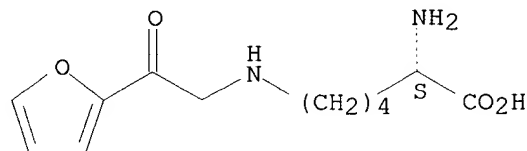
IT **19746-33-9**

RL: BIOL (Biological study)  
(in foods, thermal processing in relation to)

RN 19746-33-9 CAPLUS

CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



09/817,374

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L5 ANSWER 349 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1970:43637 CAPLUS  
DN 72:43637  
TI Antidepressant azecino- and azonino[5,4-b]indoles  
IN Houlihan, William J.; Manning, Robert E.  
PA Sandoz Inc.  
SO U.S., 4 pp.  
CODEN: USXXAM  
DT Patent  
LA English  
FAN.CNT 1

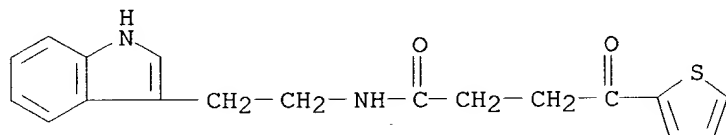
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3478051	A	19691111	US 1967-623801	19670317
PRAI	US 1967-623801		19670317		

IT **25220-72-8P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN 25220-72-8 CAPLUS

CN 2-Thiophenebutyramide, N-(2-indol-3-ylethyl)-.gamma.-oxo- (8CI) (CA INDEX NAME)

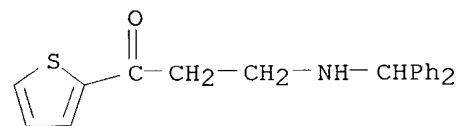


L5 ANSWER 350 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1969:501431 CAPLUS  
DN 71:101431  
TI Analogs of prenylamine [as potential coronary vasodilators]  
AU Collino, Franco  
CS Inst. Chem. Farm. Tossicol., Univ. Trieste, Trieste, Italy  
SO Bollettino Chimico Farmaceutico (1969), 108(6), 255-67  
CODEN: BCFAAI; ISSN: 0006-6648  
DT Journal  
LA Italian  
IT **23934-69-2P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

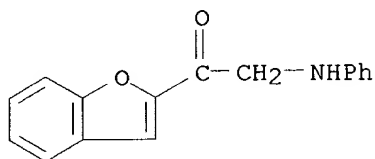
RN 23934-69-2 CAPLUS

CN 1-Propanone, 3-[(diphenylmethyl)amino]-1-(2-thienyl)- (8CI) (CA INDEX NAME)

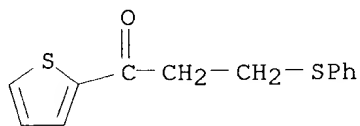


V. Balasubramanian

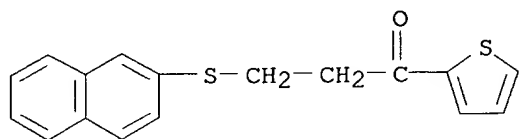
L5 ANSWER 351 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1969:461479 CAPLUS  
DN 71:61479  
TI Synthesis of phosphoranes containing benzofuran rings  
AU Shevchuk, M. I.; Antonyuk, A. S.; Dombrovskii, A. V.  
CS Chernovits. Gos. Univ., Chernovtsy, USSR  
SO Zhurnal Obshchei Khimii (1969), 39(4), 860-9  
CODEN: ZOKHA4; ISSN: 0044-460X  
DT Journal  
LA Russian  
IT **23618-26-0P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)  
RN 23618-26-0 CAPLUS  
CN Ketone, anilinomethyl 2-benzofuranyl (8CI) (CA INDEX NAME)



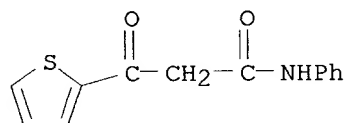
L5 ANSWER 352 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1969:403225 CAPLUS  
DN 71:3225  
TI Synthesis of sulfur heterocyclics. IV. Synthesis of thianaphthalenium and thiaphenanthrenium perchlorates  
AU Tilak, Bal D.; Panse, G. T.  
CS Nat. Chem. Lab., Poona, India  
SO Indian Journal of Chemistry (1969), 7(3), 191-5  
CODEN: IJOCAP; ISSN: 0019-5103  
DT Journal  
LA English  
IT **22956-37-2P 23117-91-1P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)  
RN 22956-37-2 CAPLUS  
CN 1-Propanone, 3-(phenylthio)-1-(2-thienyl)- (8CI) (CA INDEX NAME)



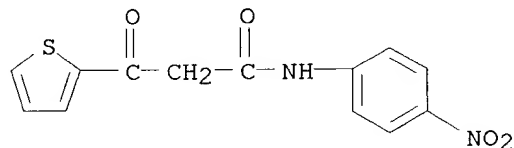
RN 23117-91-1 CAPLUS  
CN 1-Propanone, 3-(2-naphthylthio)-1-(2-thienyl)- (8CI) (CA INDEX NAME)



L5 ANSWER 353 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1969:114432 CAPLUS  
 DN 70:114432  
 TI Effect of substituents on the fragmentation of aromatic compound molecular ions. V. Acylacetanilides  
 AU Nekrasov, Yu. S.; Vul'fson, N. S.; Puchkov, V. A.  
 CS Inst. Khim. Prir. Soedin., Moscow, USSR  
 SO Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1969), (1), 35-40  
 CODEN: IASKA6; ISSN: 0002-3353  
 DT Journal  
 LA Russian  
 IT 23058-91-5 23058-92-6 23058-93-7  
 23058-94-8 23058-95-9 23058-96-0  
 23058-97-1 23059-04-3 23059-05-4  
 23059-06-5 23059-07-6 23059-08-7  
 23059-09-8 23059-10-1  
 RL: PRP (Properties)  
 (mass spectrum of)  
 RN 23058-91-5 CAPLUS  
 CN 2-Thiophenepropanamide, .beta.-oxo-N-phenyl- (9CI) (CA INDEX NAME)

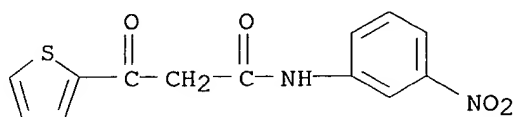


RN 23058-92-6 CAPLUS  
 CN 2-Thiophenepropananilide, 4'-nitro-.beta.-oxo- (6CI, 8CI) (CA INDEX NAME)



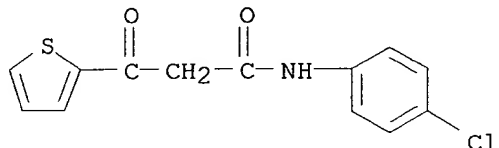
RN 23058-93-7 CAPLUS  
 CN 2-Thiophenepropananilide, 3'-nitro-.beta.-oxo- (6CI, 8CI) (CA INDEX NAME)

V. Balasubramanian



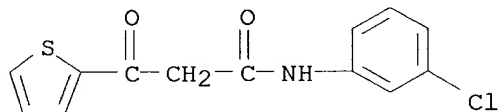
RN 23058-94-8 CAPLUS

CN 2-Thiophenepropanamide, N-(4-chlorophenyl)-.beta.-oxo- (9CI) (CA INDEX NAME)



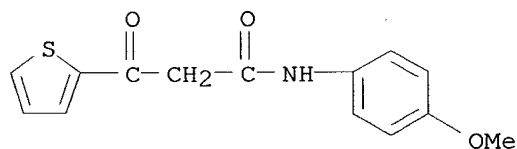
RN 23058-95-9 CAPLUS

CN 2-Thiophenepropionanilide, 3'-chloro-.beta.-oxo- (6CI, 8CI) (CA INDEX NAME)



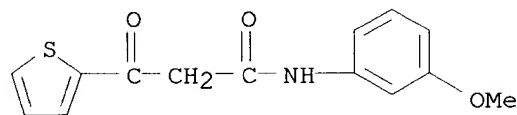
RN 23058-96-0 CAPLUS

CN 2-Thiophenepropion-p-anisidide, .beta.-oxo- (6CI, 8CI) (CA INDEX NAME)



RN 23058-97-1 CAPLUS

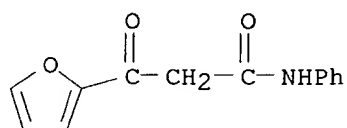
CN 2-Thiophenepropion-m-anisidide, .beta.-oxo- (6CI, 8CI) (CA INDEX NAME)



RN 23059-04-3 CAPLUS

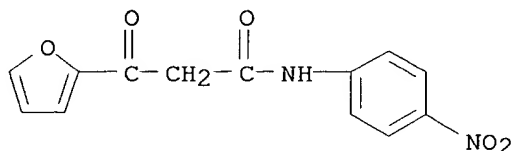
CN 2-Furanpropionanilide, .beta.-oxo- (6CI, 8CI) (CA INDEX NAME)

V. Balasubramanian



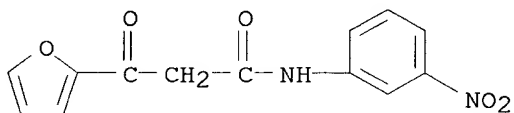
RN 23059-05-4 CAPLUS

CN 2-Furanpropionanilide, 4'-nitro-.beta.-oxo- (6CI, 8CI) (CA INDEX NAME)



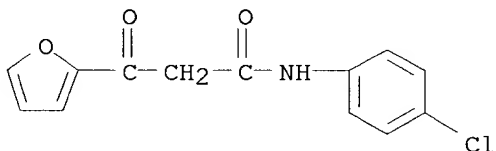
RN 23059-06-5 CAPLUS

CN 2-Furanpropionanilide, 3'-nitro-.beta.-oxo- (6CI, 8CI) (CA INDEX NAME)



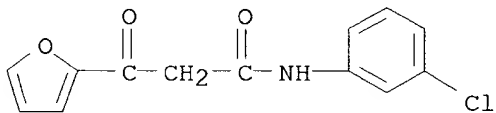
RN 23059-07-6 CAPLUS

CN 2-Furanpropionanilide, 4'-chloro-.beta.-oxo- (6CI, 8CI) (CA INDEX NAME)



RN 23059-08-7 CAPLUS

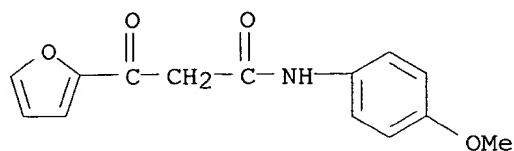
CN 2-Furanpropionanilide, 3'-chloro-.beta.-oxo- (6CI, 8CI) (CA INDEX NAME)



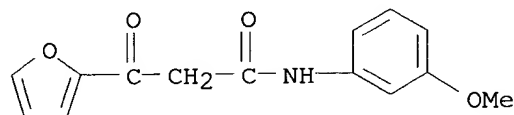
RN 23059-09-8 CAPLUS

CN 2-Furanpropion-p-anisidide, .beta.-oxo- (6CI, 8CI) (CA INDEX NAME)

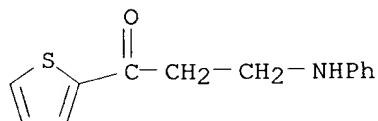
V. Balasubramanian



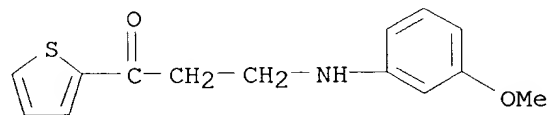
RN 23059-10-1 CAPLUS  
CN 2-Furanpropion-m-anisidide, .beta.-oxo- (6CI, 8CI) (CA INDEX NAME)



L5 ANSWER 354 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1969:37630 CAPLUS  
DN 70:37630  
TI Synthesis of nitrogen heterocyclics. I. Synthesis of quinolines and benzoquinolines  
AU Tilak, Bal D.; Ravindranathan, T.; Subbaswami, K. N.  
CS Nat. Chem. Lab., Poona, India  
SO Indian Journal of Chemistry (1968), 6(8), 422-7  
CODEN: IJOCAP; ISSN: 0019-5103  
DT Journal  
LA English  
IT **21280-44-4P 21280-46-6P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)  
RN 21280-44-4 CAPLUS  
CN 1-Propanone, 3-(phenylamino)-1-(2-thienyl)- (9CI) (CA INDEX NAME)



RN 21280-46-6 CAPLUS  
CN 1-Propanone, 3-[(3-methoxyphenyl)amino]-1-(2-thienyl)- (9CI) (CA INDEX NAME)

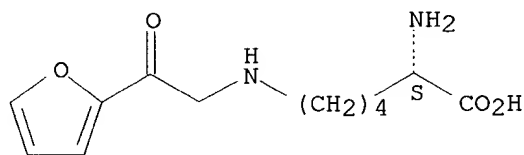


L5 ANSWER 355 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1969:27734 CAPLUS

V. Balasubramanian

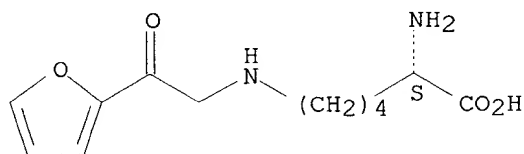
DN 70:27734  
TI Identification of a new lysine derivative obtained upon acid hydrolysis of heated milk  
AU Finot, Paul A.; Bricout, J.; Viani, R.; Mauron, J.  
CS Res. Lab. Nestle's Prod., Vevey, Switz.  
SO Experientia (1968), 24(11), 1097-9  
CODEN: EXPEAM; ISSN: 0014-4754  
DT Journal  
LA English  
IT **19746-33-9**  
RL: BIOL (Biological study)  
(a new amino acid)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 356 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1968:487421 CAPLUS  
DN 69:87421  
TI Browning reactions and fragmentation of carbohydrates. V. Degradation of fructose amino acids to N-(2-furoylmethyl) amino acids. Intermediates in browning reactions  
AU Heyns, K.; Heukeshoven, J.; Brose, K. H.  
CS Univ. Hamburg, Hamburg, Fed. Rep. Ger.  
SO Angewandte Chemie, International Edition in English (1968), 7(8), 628-9  
CODEN: ACIEAY; ISSN: 0570-0833  
DT Journal  
LA English  
IT **19746-33-9P**  
RL: FORM (Formation, nonpreparative); PREP (Preparation)  
(formation of, from degradation of .epsilon.-fructose-lysine)  
RN 19746-33-9 CAPLUS  
CN L-Lysine, N6-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



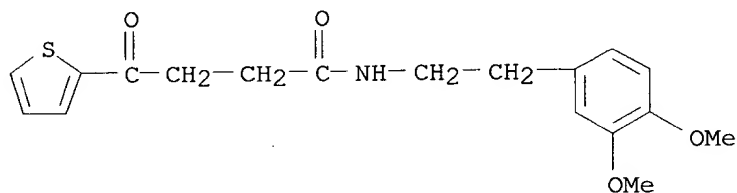
L5 ANSWER 357 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1968:467247 CAPLUS  
DN 69:67247  
TI 1,2-Trimethylene(and tetramethylene)-1,2,3,4-tetrahydroisoquinolines  
IN Houlihan, William J.; Manning, Robert E.



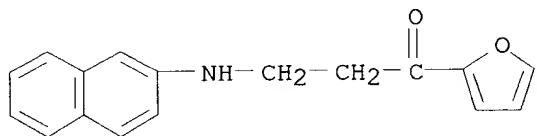
V. Balasubramanian

PA Sandoz Ltd.  
SO Fr., 8 pp.  
CODEN: FRXXAK  
DT Patent  
LA French  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 1490023		19670728		
PRAI	US		19650817		
IT	<b>19373-20-7P</b>				
	RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)				
RN	19373-20-7	CAPLUS			
CN	2-Thiophenebutyramide, N-(3,4-dimethoxyphenethyl)-.gamma.-oxo- (8CI) (CA INDEX NAME)				

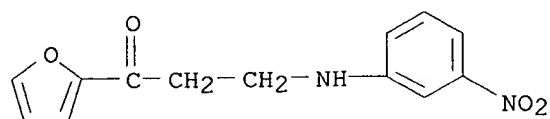


L5 ANSWER 358 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1967:453946 CAPLUS  
DN 67:53946  
TI Synthesis of .beta.-arylamino ketones of the furan series  
AU Ardashev, B. I.; Malik, I. S.  
CS Novocherk. Politekh. Inst., Novocherkask, USSR  
SO Khimiya Geterotsiklicheskikh Soedinenii (1967), (1), 7-9  
CODEN: KGSSAQ; ISSN: 0132-6244  
DT Journal  
LA Russian  
IT **15057-31-5P 15057-32-6P 15057-33-7P**  
**15057-34-8P 15147-02-1P 15147-14-5P**  
**15147-15-6P 15147-16-7P 15263-10-2P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)  
RN 15057-31-5 CAPLUS  
CN 1-Propanone, 1-(2-furyl)-3-(2-naphthylamino)- (8CI) (CA INDEX NAME)



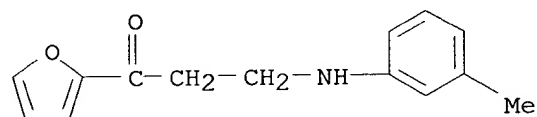
RN 15057-32-6 CAPLUS  
CN 1-Propanone, 1-(2-furyl)-3-[(3-nitrophenyl)amino]- (9CI) (CA INDEX NAME)

V. Balasubramanian



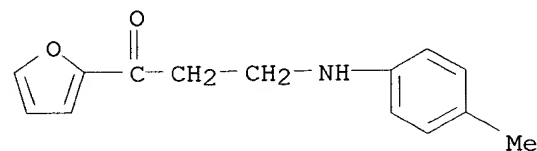
RN 15057-33-7 CAPLUS

CN 1-Propanone, 1-(2-furyl)-3-m-toluidino- (8CI) (CA INDEX NAME)



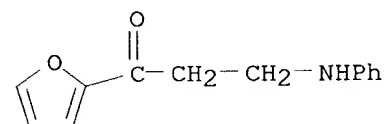
RN 15057-34-8 CAPLUS

CN 1-Propanone, 1-(2-furanyl)-3-[(4-methylphenyl)amino]- (9CI) (CA INDEX NAME)



RN 15147-02-1 CAPLUS

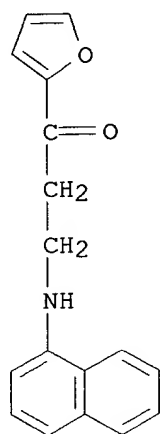
CN 1-Propanone, 1-(2-furanyl)-3-(phenylamino)- (9CI) (CA INDEX NAME)



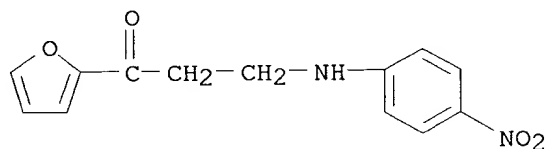
RN 15147-14-5 CAPLUS

CN 1-Propanone, 1-(2-furyl)-3-(1-naphthylamino)- (8CI) (CA INDEX NAME)

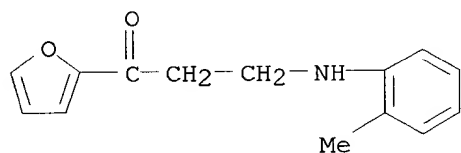
V. Balasubramanian



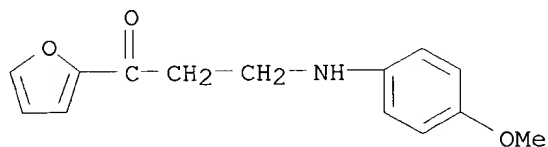
RN 15147-15-6 CAPLUS  
CN 1-Propanone, 1-(2-furanyl)-3-[(4-nitrophenyl)amino]- (9CI) (CA INDEX NAME)



RN 15147-16-7 CAPLUS  
CN 1-Propanone, 1-(2-furyl)-3-o-toluidino- (8CI) (CA INDEX NAME)



RN 15263-10-2 CAPLUS  
CN 1-Propanone, 1-(2-furanyl)-3-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)

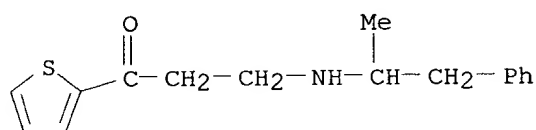


L5 ANSWER 359 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1967:46160 CAPLUS

09/817,374

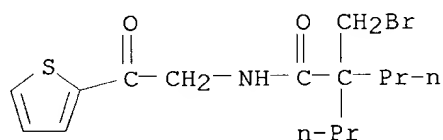
V. Balasubramanian

DN 66:46160  
TI New method for preparation of diaryl alkyl amines  
AU Klosa, Josef  
CS Privatlab., Berlin-Zehlendorf, Germany  
SO Journal fuer Praktische Chemie (Leipzig) (1966), 34(5-6), 312-34  
CODEN: JPCEAO; ISSN: 0021-8383  
DT Journal  
LA German  
IT **13732-63-3P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)  
RN 13732-63-3 CAPLUS  
CN 1-Propanone, 3-[(.alpha.-methylphenethyl)amino]-1-(2-thienyl)-,  
hydrochloride (8CI) (CA INDEX NAME)



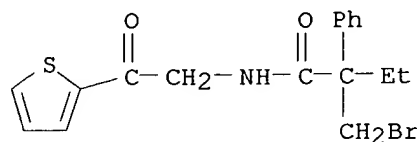
● HCl

L5 ANSWER 360 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1966:507921 CAPLUS  
DN 65:107921  
OREF 65:20083a-h,20084a-e  
TI Substances acting on the central nervous system. XLVI. Chemistry of the  
2-azetidinones  
AU Testa, Emilio; Pifferi, Giorgio; Fontanella, Luigi; Aresi, Vanna  
CS Forschungsabt. Lepetit S.p.A., Milan  
SO Ann. Chem. (1966), 696, 108-15  
DT Journal  
LA German  
IT **10242-93-0**, Valeramide, 2-(bromomethyl)-2-propyl-N-(2-  
thenoylmethyl)- **10242-94-1**, Butyramide, 2-(bromomethyl)-2-phenyl-  
N-(2-thenoylmethyl)-  
(prepn. of)  
RN 10242-93-0 CAPLUS  
CN Valeramide, 2-(bromomethyl)-2-propyl-N-(2-thenoylmethyl)- (7CI, 8CI) (CA  
INDEX NAME)



RN 10242-94-1 CAPLUS  
CN Butyramide, 2-(bromomethyl)-2-phenyl-N-(2-thenoylmethyl)- (7CI, 8CI) (CA  
INDEX NAME)

V. Balasubramanian



L5 ANSWER 361 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1966:420616 CAPLUS

DN 65:20616

OREF 65:3800f-h,3801a-c

TI Tranquilizing aminophenones

IN Fleming, R. W.; Hauck, F. P., Jr.

PA Parke, Davis & Co.

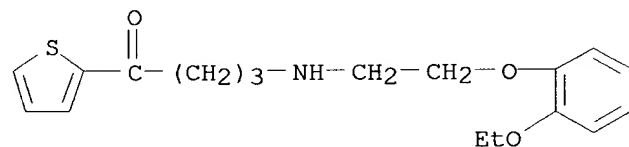
SO 23 pp.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	BE 668124		19651201	BE	
	GB 1041090			GB	
PRAI	US		19640812		
IT	6797-77-9,		1-Butanone, 4-[[2-(o-ethoxyphenoxy)ethyl]amino]-1-(2-thienyl)-, hydrochloride (prepn. of)		
RN	6797-77-9	CAPLUS			
CN	Ketone, 3-[[2-(o-ethoxyphenoxy)ethyl]amino]propyl 2-thienyl, hydrochloride (8CI) (CA INDEX NAME)				



● HCl

L5 ANSWER 362 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1966:412768 CAPLUS

DN 65:12768

OREF 65:2379h,2380a-c

TI Oxazolocyanines. III. Merocyanines from 5-aryloxazoles

AU Syeh, E. D.; Belaya, Zh. N.; Umanskaya, L. P.; Smaznaya-Il'ina, E. D.

SO Ukr. Khim. Zh. (1966), 32(3), 274-8

DT Journal

LA Russian

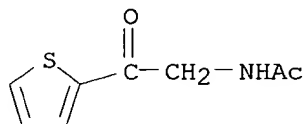
IT 6660-07-7, Acetamide, N-(2-thienylmethyl)- (prepn. of)

RN 6660-07-7 CAPLUS

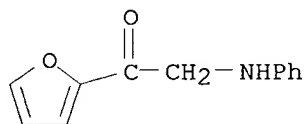
09/817,374

V. Balasubramanian

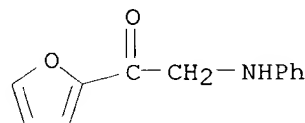
CN Acetamide, N-(2-thenoylmethyl)- (6CI, 7CI, 8CI) (CA INDEX NAME)



L5 ANSWER 363 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1965:410032 CAPLUS  
DN 63:10032  
OREF 63:1762a-g  
TI Thiophene 1-oxide  
AU Prochazka, M.  
CS Karlova Univ., Prague  
SO Collection Czech. Chem. Commun. (1965), 30(4), 1158-68  
DT Journal  
LA German  
IT **2745-36-0**, Ketone, anilinomethyl 2-furyl  
(prepn. of)  
RN 2745-36-0 CAPLUS  
CN Ethanone, 1-(2-furanyl)-2-(phenylamino)- (9CI) (CA INDEX NAME)

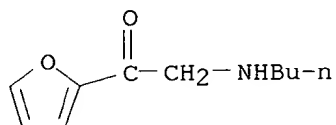


L5 ANSWER 364 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1965:410031 CAPLUS  
DN 63:10031  
OREF 63:1761g-h,1762a  
TI Furan series. XXXVII. Reaction of 2-vinylfuran oxide with ammonia and amines  
AU Novitskii, K. Yu.; Oleinik, A. F.; Naidenova, N. M.; Yur'ev, Yu. K.  
SO Zh. Organ. Khim. (1965), 1(3), 541-5  
DT Journal  
LA Russian  
IT **2745-36-0**, Ketone, anilinomethyl 2-furyl **2745-37-1**,  
Ketone, (butylamino)methyl 2-furyl  
(prepn. of)  
RN 2745-36-0 CAPLUS  
CN Ethanone, 1-(2-furanyl)-2-(phenylamino)- (9CI) (CA INDEX NAME)

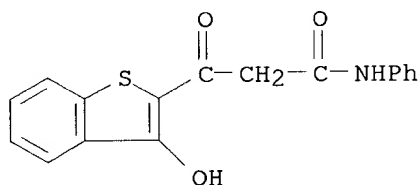


V. Balasubramanian

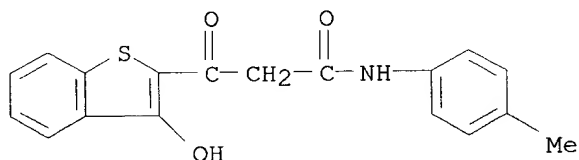
RN 2745-37-1 CAPLUS  
CN Ethanone, 2-(butylamino)-1-(2-furanyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 365 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1965:90854 CAPLUS  
DN 62:90854  
OREF 62:16218g-h,16219a-h,16220a-c  
TI Synthesis of substituted linear furano[2,3-g][1]benzopyrones and [3,2-b]thianaphthenopyrones  
AU Mustafa, A.; Asker, W.; Hishmat, O. H.; Ali, M. I.; Mansour, A. K. E.; Abed, N. M.; Khalil, K. M. A.; Samy, S. M.  
CS Cairo Univ.  
SO Tetrahedron (1965), 21(4), 849-59  
DT Journal  
LA English  
IT 2035-57-6, Benzo[b]thiophene-2-propionanilide, 3-hydroxy-.beta.-oxo- 2784-77-2, Benzo[b]thiophene-2-propiono-p-toluidide, 3-hydroxy-.beta.-oxo- (prepn. of)  
RN 2035-57-6 CAPLUS  
CN Benzo[b]thiophene-2-propanamide, 3-hydroxy-.beta.-oxo-N-phenyl- (9CI) (CA INDEX NAME)



RN 2784-77-2 CAPLUS  
CN Benzo[b]thiophene-2-propiono-p-toluidide, 3-hydroxy-.beta.-oxo- (7CI, 8CI) (CA INDEX NAME)

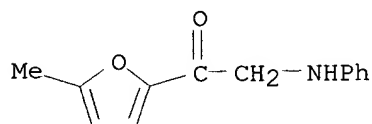


L5 ANSWER 366 OF 409 CAPLUS COPYRIGHT 2003 ACS

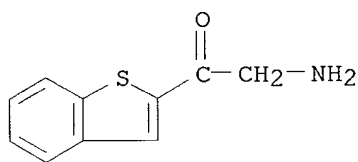
09/817,374

V. Balasubramanian

AN 1965:90708 CAPLUS  
DN 62:90708  
OREF 62:16169c-e  
TI Furan series. XXXV. Syntheses based on 5-methyl-2-bromoacetylfuran  
AU Novitskii, K. Yu.; Yur'ev, Yu. K.; Oleinik, A. F.; Borisova, G. V.  
CS State Univ., Moscow  
SO Zh. Organ. Khim. (1965), 1(2), 386-8  
DT Journal  
LA Russian  
IT **1634-52-2**, Ketone, anilinomethyl 5-methyl-2-furyl  
(prepn. of)  
RN 1634-52-2 CAPLUS  
CN Ketone, anilinomethyl 5-methyl-2-furyl (7CI, 8CI) (CA INDEX NAME)



L5 ANSWER 367 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1965:82375 CAPLUS  
DN 62:82375  
OREF 62:14607e-h,14608a-h  
TI N-Alkylalkanolamines of the benzo[b]thiophene series  
AU D'Alo, F.; Masserini, A.; Bonacina, F.  
CS Lab. Ric. Vister, Casatenovo Brianza, Como, Italy  
SO Boll. Chim. Farm. (1964), 103(10), 709-26  
DT Journal  
LA Italian  
IT **1131-96-0**, Ketone, aminomethyl benzo[b]thien-2-yl, hydrobromide  
**1141-74-8**, Acetamide, N-[(benzo[b]thien-2-ylcarbonyl)methyl]-  
(prepn. of)  
RN 1131-96-0 CAPLUS  
CN Ketone, aminomethyl benzo[b]thien-2-yl, hydrobromide (7CI, 8CI) (CA INDEX NAME)

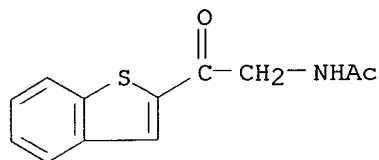


● HBr

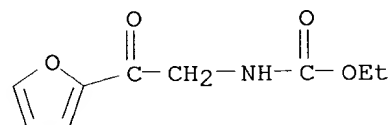
RN 1141-74-8 CAPLUS  
CN Acetamide, N-[(benzo[b]thien-2-ylcarbonyl)methyl]- (7CI, 8CI) (CA INDEX NAME)



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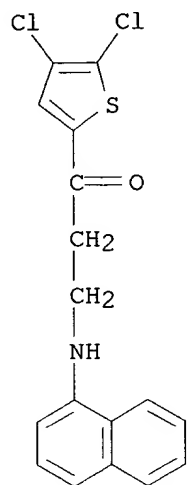


L5 ANSWER 368 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1965:9126 CAPLUS  
DN 62:9126  
OREF 62:1662g-h,1663a-f  
TI Synthesis of certain furyl-substituted polyheterocyclic six-membered rings  
AU Holland, Dewey G.; Amstutz, E. D.  
CS Lehigh Univ., Bethlehem, PA  
SO Rec. Trav. Chim. (1964), 83(9/10), 1047-55  
DT Journal  
LA English  
IT **946-09-8**, Carbamic acid, (2-furoylmethyl)-, ethyl ester  
(prepn. of)  
RN 946-09-8 CAPLUS  
CN Carbamic acid, (2-furoylmethyl)-, ethyl ester (7CI, 8CI) (CA INDEX NAME)

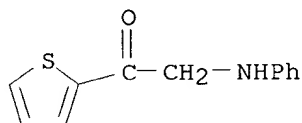


L5 ANSWER 369 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1964:447716 CAPLUS  
DN 61:47716  
OREF 61:8254f-h,8255a-h,8256a-h,8257a-b  
TI Chlorothiophenes  
AU Profit, E.; Solf, G.  
SO J. Prakt. Chem. (1964), 24(1-2), 38-73  
DT Journal  
LA Unavailable  
IT **94374-78-4**, 1-Propanone, 1-(4,5-dichloro-2-thienyl)-3-(1-naphthylamino)-  
(prepn. of)  
RN 94374-78-4 CAPLUS  
CN 1-Propanone, 1-(4,5-dichloro-2-thienyl)-3-(1-naphthylamino)- (7CI) (CA INDEX NAME)

V. Balasubramanian



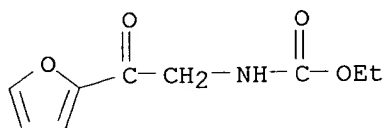
L5 ANSWER 370 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1964:90669 CAPLUS  
DN 60:90669  
OREF 60:15810g-h,15811a  
TI Preparation of vinyl-2-furyl and vinyl 2-thienyl ketones  
AU Shevchuk, M. I.; Dombrovskii, A. V.  
CS State Univ., Chernovtsy  
SO -Zh. Obshch. Khim. (1964), 34(3), 916-19  
DT Journal  
LA Unavailable  
IT **91568-99-9**, Ketone, anilinomethyl 2-thienyl  
(prepn. of)  
RN 91568-99-9 CAPLUS  
CN Ethanone, 2-(phenylamino)-1-(2-thienyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 371 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1964:75438 CAPLUS  
DN 60:75438  
OREF 60:13260d-f  
TI Hydroxyalkyl and hydroxyalkoxyalkyl isocyanurate phosphites and  
phosphonates  
IN Gutttag, Alvin  
PA Union Carbide Corp.  
SO 3 pp.  
DT Patent  
LA Unavailable  
PATENT NO.            KIND    DATE            APPLICATION NO.    DATE  
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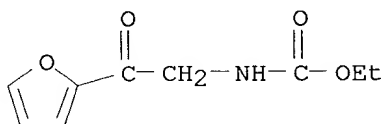
V. Balasubramanian

PI US 3121082 19640211 US 19620522  
IT 946-09-8, Carbamic acid, (2-furoylmethyl)-, ethyl ester  
(prepn. of)  
RN 946-09-8 CAPLUS  
CN Carbamic acid, (2-furoylmethyl)-, ethyl ester (7CI, 8CI) (CA INDEX NAME)



L5 ANSWER 372 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1964:75437 CAPLUS  
DN 60:75437  
OREF 60:13260a-d  
TI 4,5-Dihydro-6-(5-nitro-2-furyl)-as-triazine- or -pyridazine-3(2H)-one  
IN Burch, H. A.  
PA Norwich Pharmacal Co.  
SO 9 pp.  
DT Patent  
LA Unavailable

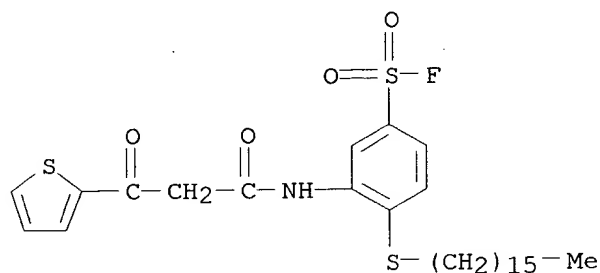
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	BE 630438		19630801	BE	
	DE 1185618			DE	
	DE 1222066			DE	
	FR 1353798			FR	
	GB 1005041			GB	
	US 3138593		1964	US	
PRAI	US		19620402		
IT	946-09-8, Carbamic acid, (2-furoylmethyl)-, ethyl ester (prepn. of)				
RN	946-09-8 CAPLUS				
CN	Carbamic acid, (2-furoylmethyl)-, ethyl ester (7CI, 8CI) (CA INDEX NAME)				



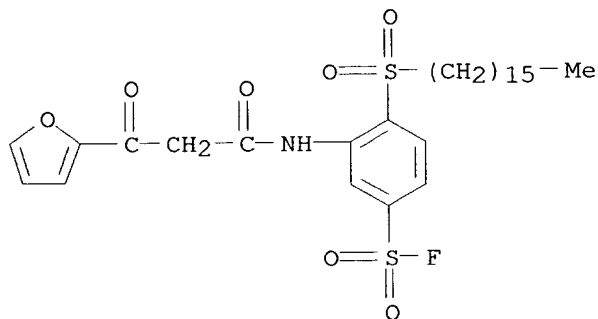
L5 ANSWER 373 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1964:68060 CAPLUS  
DN 60:68060  
OREF 60:11955b-c  
TI Preparation of acylacetanilide sulfonic acids  
IN de Cat, Arthur H.; van Poucke, Raphael K.; Verbrugghe, Marcel H.  
PA Gevaert Photo-Producten N.V.  
SO 14 pp.  
DT Patent  
LA Unavailable

V. Balasubramanian

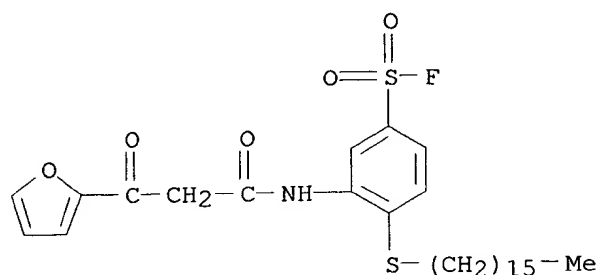
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	BE 603995		19610918	BE	
PRAI	DE		19600519		
IT	<b>1841-24-3</b> , Metanilyl fluoride, 4-(hexadecylthio)-N-(2-thenoylacetyl)- <b>2560-85-2</b> , Metanilyl fluoride, N-(2-furoylacetyl)-4-(hexadecylsulfonyl)- <b>2839-16-9</b> , Metanilyl fluoride, N-(2-furoylacetyl)-4-(hexadecylthio)- (prepn. of)				
RN	1841-24-3	CAPLUS			
CN	Metanilyl fluoride, 4-(hexadecylthio)-N-(2-thenoylacetyl)- (7CI, 8CI) (CA INDEX NAME)				



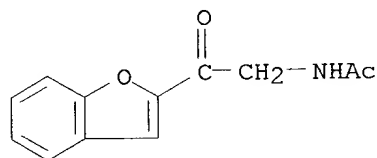
RN 2560-85-2 CAPLUS  
 CN Metanilyl fluoride, N-(2-furoylacetyl)-4-(hexadecylsulfonyl)- (7CI, 8CI)  
 (CA INDEX NAME)



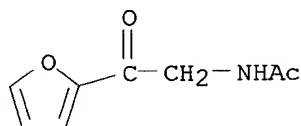
RN 2839-16-9 CAPLUS  
 CN Metanilyl fluoride, N-(2-furoylacetyl)-4-(hexadecylthio)- (8CI) (CA INDEX NAME)



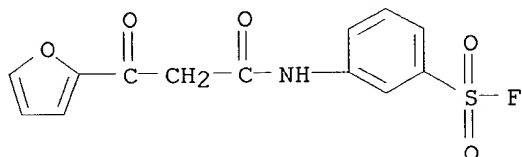
L5 ANSWER 374 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1964:61444 CAPLUS  
 DN 60:61444  
 OREF 60:10839f-h,10840a  
 TI Condensation of N-methyl-o-aminothiophenol with chlorides of .alpha.-halo acids and .alpha.,.beta.-unsaturated acids  
 AU Kiprianov, A. I.; Shtets, Ya.  
 CS Inst. Org. Chem., Kiev  
 SO Zh. Obshch. Khim. (1963), 33(11), 3519-25  
 DT Journal  
 LA Unavailable  
 IT **74599-85-2**, Acetamide, N-[(2-benzofuranylcarbonyl)methyl]- (prepn. of)  
 RN 74599-85-2 CAPLUS  
 CN Acetamide, N-[2-(2-benzofuranyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 375 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1964:61443 CAPLUS  
 DN 60:61443  
 OREF 60:10839a-f  
 TI Thiazolocyanines. XI. Synthesis of thiazolocyanines from heterocyclic-substituted thiazoles  
 AU Sych, E. D.; Smaznaya-II'ina, E. D.  
 SO Ukr. Khim. Zh. (1962), 28(9), 1087-95  
 DT Journal  
 LA Russian  
 IT **88352-96-9**, Acetamide, N-(2-furoylmethyl)- (prepn. of)  
 RN 88352-96-9 CAPLUS  
 CN Acetamide, N-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

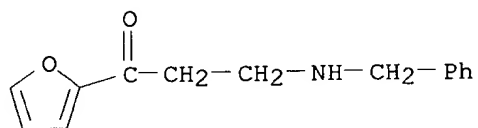


L5 ANSWER 376 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1964:16244 CAPLUS  
 DN 60:16244  
 OREF 60:2812e-f  
 TI Sulfonyl fluorides as intermediates in organic synthesis. I. The synthesis of aminobenzenesulfonyl fluorides and their condensation with .beta.-ketonic esters  
 AU de Cat, A.; Van Poucke, R.  
 CS Gevaert Photo-Producten N.V., Antwerp, Belg.  
 SO J. Org. Chem. (1963), 28(12), 3426-30  
 CODEN: JOCEAH; ISSN: 0022-3263  
 DT Journal  
 LA Unavailable  
 IT **2677-07-8**, Metanilyl fluoride, N-(2-furoylacetyl)- (prepn. of)  
 RN 2677-07-8 CAPLUS  
 CN Metanilyl fluoride, N-(2-furoylacetyl)- (7CI, 8CI) (CA INDEX NAME)



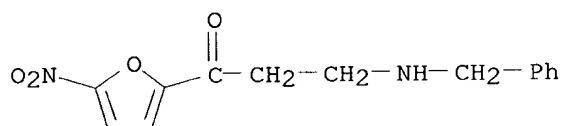
L5 ANSWER 377 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1963:408960 CAPLUS  
 DN 59:8960  
 OREF 59:1625b-c  
 TI New Mannich bases from 2-acetylfuran, 2-furalacetone, and their 5-nitro derivatives  
 AU Saldabols, N.; Hillers, S.  
 SO Latvijas PSR Zinatnu Akad. Vestis, Kim. Ser. (1962), (No. 2), 309-10  
 DT Journal  
 LA Russian  
 IT **92248-22-1**, 1-Propanone, 3-(benzylamino)-1-(2-furyl)-, hydrochloride **97594-07-5**, 1-Propanone, 3-(benzylamino)-1-(5-nitro-2-furyl)-, hydrochloride (prepn. of)  
 RN 92248-22-1 CAPLUS  
 CN 1-Propanone, 3-(benzylamino)-1-(2-furyl)-, hydrochloride (7CI) (CA INDEX NAME)

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● HCl

RN 97594-07-5 CAPLUS  
CN 1-Propanone, 3-(benzylamino)-1-(5-nitro-2-furyl)-, hydrochloride (7CI)  
(CA INDEX NAME)



● HCl

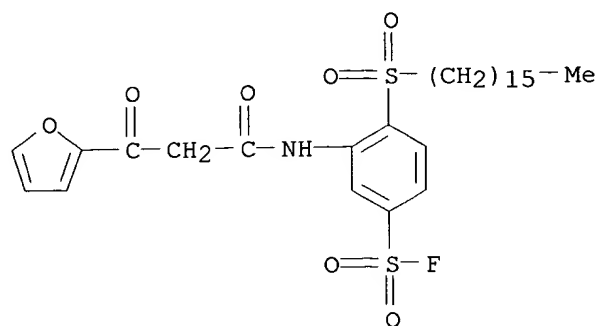
L5 ANSWER 378 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1963:66976 CAPLUS  
DN 58:66976  
OREF 58:11507d-g  
TI Yellow color couplers  
IN de Cat, Arthur H.; van Poucke, Raphael K.; Verbrugghe, Marcel H.  
PA Gevaert Photo-Producten N.V.  
SO 4 pp.  
DT Patent  
LA Unavailable

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 1126400		19620329	DE	19600519
	GB 990627			GB	
	US 3138604		1964	US	

IT **2560-85-2**, Metanilyl fluoride, N-(2-furoylacetyl)-4-(hexadecylsulfonyl)- **2839-16-9**, Metanilyl fluoride, N-(2-furoylacetyl)-4-(hexadecylthio)- **101298-28-6**, Metanilic acid, N-(2-furoylacetyl)-4-(hexadecylthio)-, sodium salt **105863-15-8**, Metanilic acid, N-(2-furoylacetyl)-4-(hexadecylsulfonyl)-, sodium salt (prepn. of)

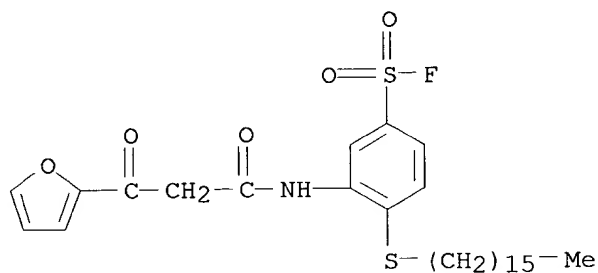
RN 2560-85-2 CAPLUS  
CN Metanilyl fluoride, N-(2-furoylacetyl)-4-(hexadecylsulfonyl)- (7CI, 8CI)  
(CA INDEX NAME)

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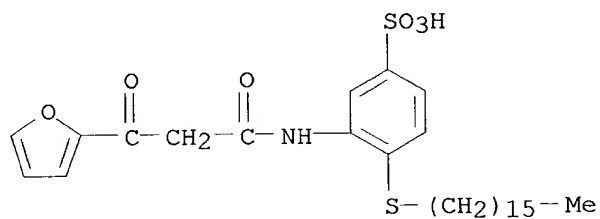
RN 2839-16-9 CAPLUS

CN Metanilyl fluoride, N-(2-furoylacetyl)-4-(hexadecylthio)- (8CI) (CA INDEX NAME)



RN 101298-28-6 CAPLUS

CN Metanilic acid, N-(2-furoylacetyl)-4-(hexadecylthio)-, sodium salt (7CI)  
(CA INDEX NAME)



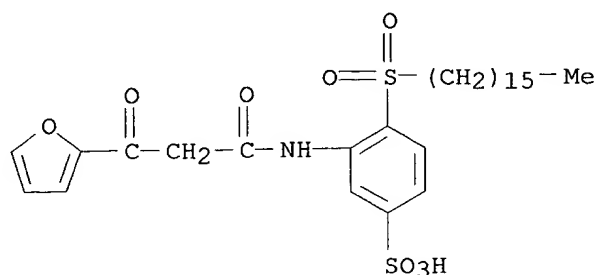
● Na

RN 105863-15-8 CAPLUS

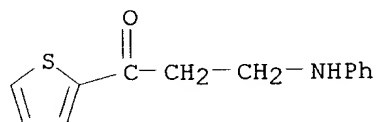
CN Benzenesulfonic acid, 3-[[3-(2-furanyl)-1,3-dioxopropyl]amino]-4-(hexadecylsulfonyl)-, monosodium salt (9CI) (CA INDEX NAME)



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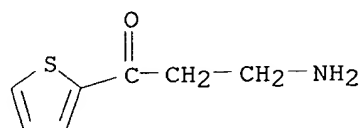


L5 ANSWER 379 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1963:39950 CAPLUS  
DN 58:39950  
OREF 58:6794e-g  
TI Alkylation of aromatic amines by Mannich bases  
AU Meshkauskaitė, I.; Urbonaitė, L.  
SO Tr. Pyatol Nauchn.-Tekhn. Konf. Stud. Vysshikh Uchebn. Zavedenii  
Belorussk. SSR, Latv. SSR, Lit. SSR i Est. SSR (1961) 39-44  
DT Journal  
LA Unavailable  
IT **21280-44-4**, 1-Propanone, 3-anilino-1-(2-thienyl)-  
(prepn. of)  
RN 21280-44-4 CAPLUS  
CN 1-Propanone, 3-(phenylamino)-1-(2-thienyl)- (9CI) (CA INDEX NAME)

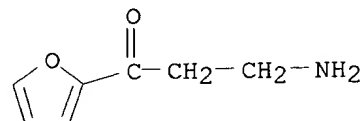


L5 ANSWER 380 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1963:10832 CAPLUS  
DN 58:10832  
OREF 58:1823h,1824a  
TI Amino ketones; kinetics of in vitro antibacterial activity  
AU Cheng, Shu-Sing; Jonsson, Sigurdur; Semeniuk, Fred T.  
CS Univ. of North Carolina, Chapel Hill  
SO J. Pharm. Sci. (1962), 51, 975-80  
DT Journal  
LA Unavailable  
IT **89776-33-0**, 1-Propanone, 3-amino-1-(2-thienyl)- **89937-62-2**  
, 1-Propanone, 3-amino-1-(2-furyl)-  
(as bactericide)  
RN 89776-33-0 CAPLUS  
CN 1-Propanone, 3-amino-1-(2-thienyl)- (7CI) (CA INDEX NAME)

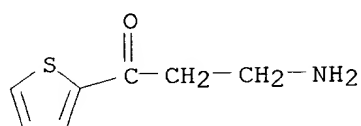
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RN 89937-62-2 CAPLUS  
CN 1-Propanone, 3-amino-1-(2-furyl)- (7CI) (CA INDEX NAME)

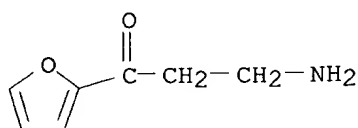


L5 ANSWER 381 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1962:482929 CAPLUS  
DN 57:82929  
OREF 57:16471i,16472a-d  
TI Synthesis of .alpha.- and .beta.-amino ketone analogs of amino acids as  
antibacterial agents  
AU Cheng, Shu-Sing; Jonsson, Sigurdur; Semeniuk, Fred T.  
CS Univ. of North Carolina, Chapel Hill  
SO J. Pharm. Sci. (1962), 51, 108-13  
DT Journal  
LA Unavailable  
IT **89776-34-1**, 1-Propanone, 3-amino-1-(2-thienyl)-, hydrochloride  
**89937-63-3**, 1-Propanone, 3-amino-1-(2-furyl)-, hydrochloride  
(prepn. of)  
RN 89776-34-1 CAPLUS  
CN 1-Propanone, 3-amino-1-(2-thienyl)-, hydrochloride (7CI) (CA INDEX NAME)



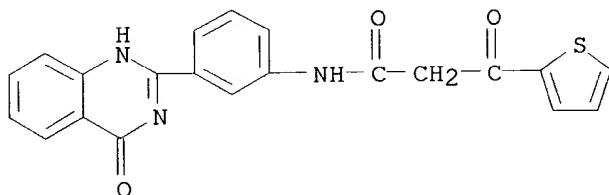
● HCl

RN 89937-63-3 CAPLUS  
CN 1-Propanone, 3-amino-1-(2-furyl)-, hydrochloride (7CI) (CA INDEX NAME)



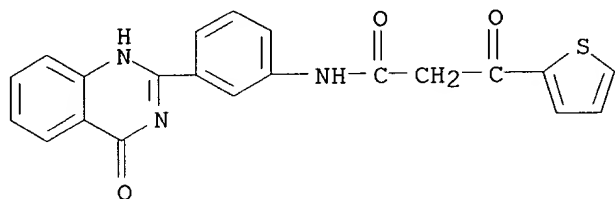
● HCl

L5 ANSWER 382 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1962:44186 CAPLUS  
 DN 56:44186  
 OREF 56:8331i,8332a-b  
 TI Pyrite deposits in the western part of the Mugodzhar Region  
 AU Bogdanov, Yu. V.  
 SO Materialy Vsesoyuz. Nauch.-Issledovatel. Geol. Inst. (1960), (No.28),  
 149-66  
 DT Journal  
 LA Unavailable  
 IT **95702-78-6**, 2-Thiophenepropionanilide, 3'-(3,4-dihydro-4-oxo-2-  
 quinazolinyl)-.beta.-oxo-  
 (prepn. of)  
 RN 95702-78-6 CAPLUS  
 CN 2-Thiophenepropionanilide, 3'-(3,4-dihydro-4-oxo-2-quinazolinyl)-.beta.-  
 oxo- (7CI) (CA INDEX NAME)



L5 ANSWER 383 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1962:44185 CAPLUS  
 DN 56:44185  
 OREF 56:8331h-i  
 TI The role of selective metasomatism in the formation of ore deposits of the  
 pyritic type  
 AU Ivanov, S. N.  
 SO Congr. Geol. Intern., Compt. Rend., 20th, Mexico City (1959), 1956(Sect.  
 11-A), 95-101  
 DT Journal  
 LA Russian  
 IT **95702-78-6**, 2-Thiophenepropionanilide, 3'-(3,4-dihydro-4-oxo-2-  
 quinazolinyl)-.beta.-oxo-  
 (prepn. of)  
 RN 95702-78-6 CAPLUS  
 CN 2-Thiophenepropionanilide, 3'-(3,4-dihydro-4-oxo-2-quinazolinyl)-.beta.-  
 oxo- (7CI) (CA INDEX NAME)

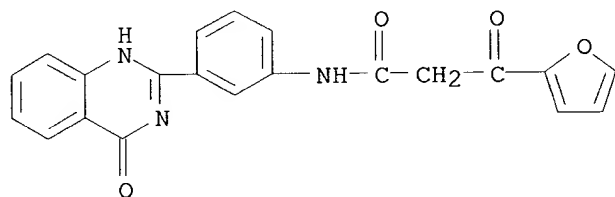
V. Balasubramanian



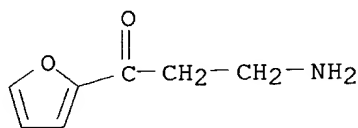
L5 ANSWER 384 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1962:43489 CAPLUS  
DN 56:43489  
OREF 56:8221g-i,8222a  
TI Colored photographic images  
IN de Cat, Arthur Henri; Tavernier, Bernard H.  
PA Gevaert Photo-Producten N.V.  
DT Patent  
LA Unavailable

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 856158			GB	19570315
US 2992920		1961	US	

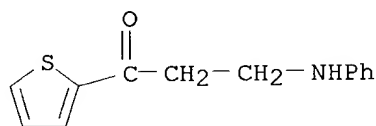
IT **94878-75-8**, 2-Furanpropionanilide, 3'-(3,4-dihydro-4-oxo-2-quinazolinyl)-.beta.-oxo-  
(prepn. of)  
RN 94878-75-8 CAPLUS  
CN 2-Furanpropionanilide, 3'-(3,4-dihydro-4-oxo-2-quinazolinyl)-.beta.-oxo-  
(7CI) (CA INDEX NAME)



L5 ANSWER 385 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1962:38375 CAPLUS  
DN 56:38375  
OREF 56:7250d-h  
TI Stereospecific inversion of some 2-furyl .beta.-dialkylaminoethyl ketoximes  
AU Angeloni, Annino Sante; Bellotti, Antonio; Pappalardo, Giovanni  
CS Univ. Parma, Italy  
SO Gazz. Chim. Ital. (1960), 90, 1616-28  
DT Journal  
LA Unavailable  
IT **89937-62-2**, 1-Propanone, 3-amino-1-(2-furyl)-  
(derivs., oximes, stereoisomerism of)  
RN 89937-62-2 CAPLUS  
CN 1-Propanone, 3-amino-1-(2-furyl)- (7CI) (CA INDEX NAME)

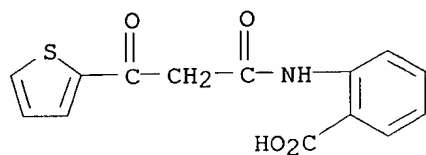


L5 ANSWER 386 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1962:2087 CAPLUS  
 DN 56:2087  
 OREF 56:363b-h  
 TI Alkylation of aromatic amines by the Mannich bases  
 AU Denis, G. I.; Butskus, P. F.  
 CS V. Kapsukas State Univ., Vilnius  
 SO Izvest. Vysshikh Ucheb. Zavedenii, Khim. i Khim. Tekhnol. (1961), 4, 426-8  
 DT Journal  
 LA Unavailable  
 IT **21280-44-4**, 1-Propanone, 3-anilino-1-(2-thienyl)-  
 (prepn. of)  
 RN 21280-44-4 CAPLUS  
 CN 1-Propanone, 3-(phenylamino)-1-(2-thienyl)- (9CI) (CA INDEX NAME)

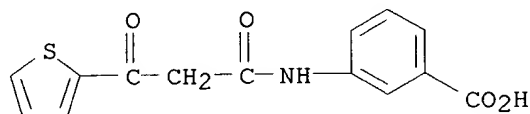


L5 ANSWER 387 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1961:105791 CAPLUS  
 DN 55:105791  
 OREF 55:19892e-i,19893a-c  
 TI Derivatives of acylacetic esters of heterocyclic series. III. Synthesis of  
 .alpha.- and .beta.-thenoylacetic esters, arylides and azomethines from  
 them  
 AU Vul'fson, N. S.; Kolchin, V. E.  
 CS Research Inst. Org. Intermed. and Dyes, Moscow  
 SO Zhur. Obshchei Khim. (1960), 30, 3425-30  
 DT Journal  
 LA Unavailable  
 IT **109410-44-8**, Anthranilic acid, N-2-thenoylacetyl-  
**109941-78-8**, Benzoic acid, m-[2-(2-thenoyl)acetamido]-  
**109941-79-9**, Benzoic acid, p-[2-(2-thenoyl)acetamido]-  
 (prepn. of)  
 RN 109410-44-8 CAPLUS  
 CN Anthranilic acid, N-2-thenoylacetyl- (6CI) (CA INDEX NAME)

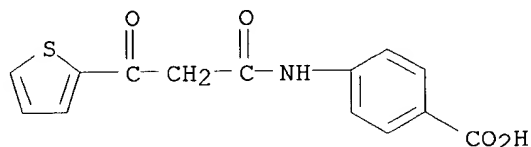
V. Balasubramanian



RN 109941-78-8 CAPLUS  
CN Benzoic acid, m-[2-(2-thenoyl)acetamido]- (6CI) (CA INDEX NAME)

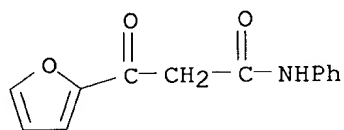


RN 109941-79-9 CAPLUS  
CN Benzoic acid, p-[2-(2-thenoyl)acetamido]- (6CI) (CA INDEX NAME)

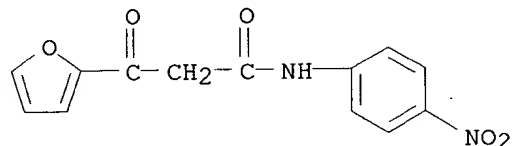


L5 ANSWER 388 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1961:87425 CAPLUS  
DN 55:87425  
OREF 55:16509a-e  
TI Derivatives of acylacetic esters of heterocyclic series. II. Arylides of .alpha.- and .beta.-furoylacetic acids and synthesis of azomethine dyes from them  
AU Kolchin, V. E.; Vul'fson, N. S.  
SO Zhur. Obshchei Khim. (1960), 30, 3091-5  
DT Journal  
LA Unavailable  
IT **23059-04-3**, 2-Furanpropionanilide, .beta.-oxo- **23059-05-4**, 2-Furanpropionanilide, 4'-nitro-.beta.-oxo- **23059-06-5**, 2-Furanpropionanilide, 3'-nitro-.beta.-oxo- **23059-07-6**, 2-Furanpropionanilide, 4'-chloro-.beta.-oxo- **23059-08-7**, 2-Furanpropionanilide, 3'-chloro-.beta.-oxo- **105946-12-1**, 2-Furanpropionanilide, 2'-chloro-.beta.-oxo- **106166-93-2**, 2-Furanpropionanilide, 2'-nitro-.beta.-oxo- **110179-20-9**, 2-Furanpropion-o-anisidide, .beta.-oxo- (prepn. of)  
RN 23059-04-3 CAPLUS  
CN 2-Furanpropionanilide, .beta.-oxo- (6CI, 8CI) (CA INDEX NAME)

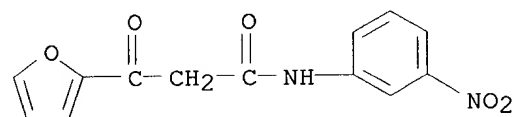
V. Balasubramanian



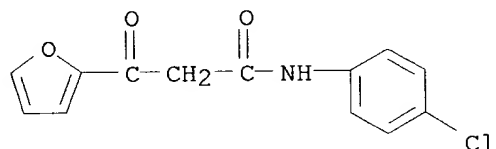
RN 23059-05-4 CAPLUS  
CN 2-Furanpropionanilide, 4'-nitro-.beta.-oxo- (6CI, 8CI) (CA INDEX NAME)



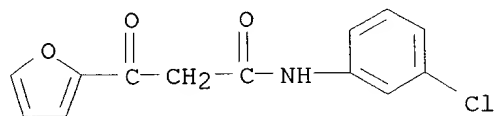
RN 23059-06-5 CAPLUS  
CN 2-Furanpropionanilide, 3'-nitro-.beta.-oxo- (6CI, 8CI) (CA INDEX NAME)



RN 23059-07-6 CAPLUS  
CN 2-Furanpropionanilide, 4'-chloro-.beta.-oxo- (6CI, 8CI) (CA INDEX NAME)

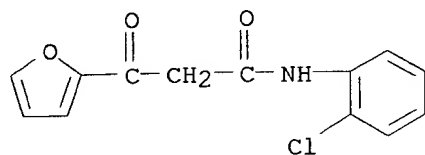


RN 23059-08-7 CAPLUS  
CN 2-Furanpropionanilide, 3'-chloro-.beta.-oxo- (6CI, 8CI) (CA INDEX NAME)



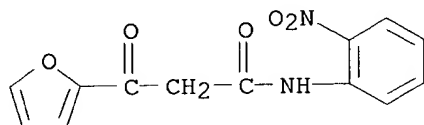
RN 105946-12-1 CAPLUS  
CN 2-Furanpropionanilide, 2'-chloro-.beta.-oxo- (6CI) (CA INDEX NAME)

V. Balasubramanian



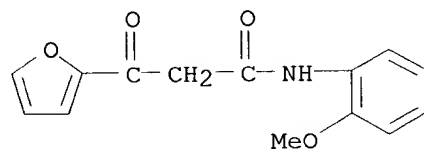
RN 106166-93-2 CAPLUS

CN 2-Furanpropionanilide, 2'-nitro-.beta.-oxo- (6CI) (CA INDEX NAME)



RN 110179-20-9 CAPLUS

CN 2-Furanpropion-o-anisidide, .beta.-oxo- (6CI) (CA INDEX NAME)



L5 ANSWER 389 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1960:128470 CAPLUS

DN 54:128470

OREF 54:24501g-i,24502a-h

TI Synthesis of a new analog of chloramphenicol

AU Rossi, S.; Trave, R.

CS Univ. Milan

SO Farmaco (Pavia) Ed. sci. (1960), 15, 396-405

DT Journal

LA Unavailable

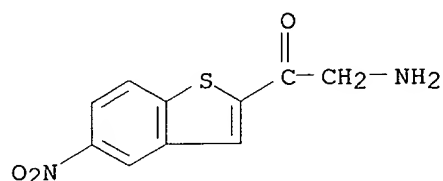
IT **114063-92-2**, Ketone, aminomethyl 5-nitrobenzo[b]thien-2-yl, hydrochloride **117000-60-9**, Acetamide, N-[(5-nitrobenzo[b]thien-2-ylcarbonyl)methyl]- (prepn. of)

RN 114063-92-2 CAPLUS

CN Ketone, aminomethyl 5-nitrobenzo[b]thien-2-yl, hydrochloride (6CI) (CA INDEX NAME)

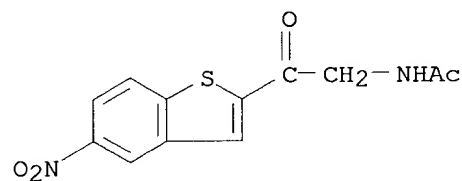


V. Balasubramanian

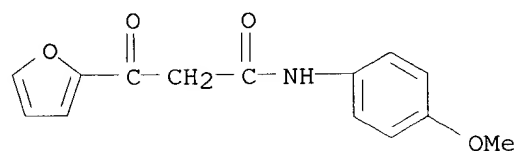


● HCl

RN 117000-60-9 CAPLUS  
CN Acetamide, N-[(5-nitrobenzo[b]thien-2-ylcarbonyl)methyl]- (6CI) (CA INDEX NAME)



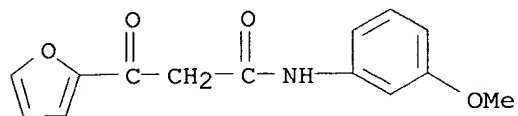
L5 ANSWER 390 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1960:103352 CAPLUS  
DN 54:103352  
OREF 54:19632c-e  
TI Derivatives of acylacetic esters of heterocyclic series. I. Arylamides of .alpha.- and .beta.-furoylacetic acids  
AU Vul'fson, N. S.; Kolchin, V. E.  
CS K. E. Voroshilov State Research Inst. Org. Intermediates and Dyes, Moscow  
SO Zhur. Obshechi Khim. (1959), 29, 3760-2  
DT Journal  
LA Unavailable  
IT 23059-09-8, 2-Furanpropion-p-anisidide, .beta.-oxo-  
23059-10-1, 2-Furanpropion-m-anisidide, .beta.-oxo-  
107057-74-9, Anthranilic acid, N-2-furoylacetyl-  
107558-36-1, Benzoic acid, p-{2-[2-furoyl]acetamido}-  
107558-37-2, Benzoic acid, m-{2-[2-furoyl]acetamido}-  
110179-20-9, 2-Furanpropion-o-anisidide, .beta.-oxo-  
(prepn. of)  
RN 23059-09-8 CAPLUS  
CN 2-Furanpropion-p-anisidide, .beta.-oxo- (6CI, 8CI) (CA INDEX NAME)



V. Balasubramanian

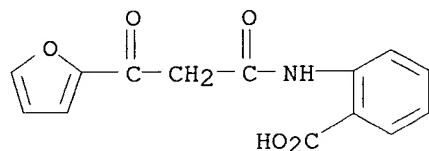
RN 23059-10-1 CAPLUS

CN 2-Furanpropion-m-anisidide, .beta.-oxo- (6CI, 8CI) (CA INDEX NAME)



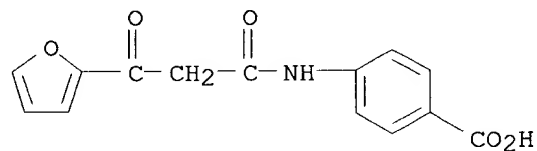
RN 107057-74-9 CAPLUS

CN Anthranilic acid, N-2-furoylacetyl- (6CI) (CA INDEX NAME)



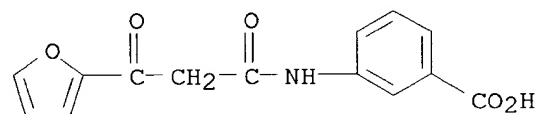
RN 107558-36-1 CAPLUS

CN Benzoic acid, p-[2-(2-furoyl)acetamido]- (6CI) (CA INDEX NAME)



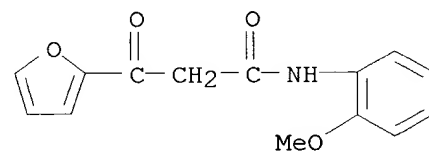
RN 107558-37-2 CAPLUS

CN Benzoic acid, m-[2-(2-furoyl)acetamido]- (6CI) (CA INDEX NAME)



RN 110179-20-9 CAPLUS

CN 2-Furanpropion-o-anisidide, .beta.-oxo- (6CI) (CA INDEX NAME)



L5 ANSWER 391 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1960:79265 CAPLUS

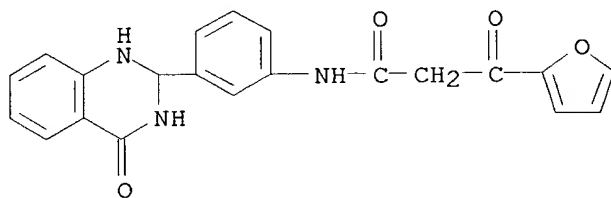
V. Balasubramanian

DN 54:79265  
OREF 54:15037f-i,15038a  
TI Quinazolone couplers  
IN Tavernier, Bernard H.; de Cat, Arthur H.  
PA Gevaert Photo-Producten N.V.  
DT Patent  
LA Unavailable  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	BE 565656		19580701	BE	
IT	<b>113977-77-8</b> , 2-Furanpropionanilide, 3'-[1,4(or 3,4)-dihydro-4-oxo-2-quinazolinyl]-.beta.-oxo- (prepn. of)				
RN	113977-77-8	CAPLUS			
CN	2-Furanpropionanilide, 3'-(1,4(or 3,4)-dihydro-4-oxo-2-quinazolinyl)-.beta.-oxo- (6CI) (CA INDEX NAME)				

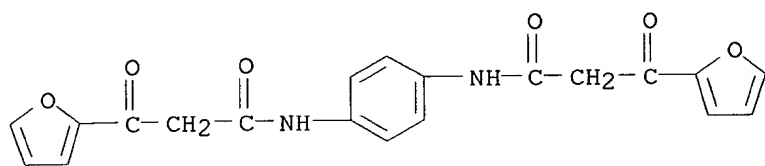
CM 1

CRN 113977-76-7  
CMF C21 H17 N3 O4



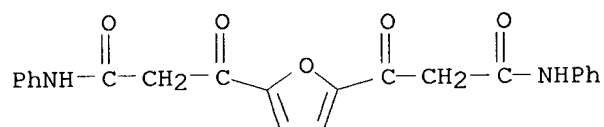
L5 ANSWER 392 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1959:102778 CAPLUS  
DN 53:102778  
OREF 53:18494b-c  
TI Researches on the substantivity of the acylacetarylides. IV  
AU Cordella, G.  
CS Univ. Bologna, Italy  
SO Boll. sci. fac. chim. ind., Bologna (1958), 16, 122-5  
DT Journal  
LA Unavailable  
IT **102007-52-3**, 2-Furanpropionamide, N,N'-p-phenylenebis[.beta.-oxo-  
**102704-78-9**, 2,5-Furandipropionanilide, .beta.,.beta.'-dioxo-  
**103503-56-6**, 2,5-Furandipropionanilide, 4',4''-dichloro-  
.beta.,.beta.'-dioxo- **108247-77-4**, 4',4'''-Bi[2-  
thiophenepropionanilide], .beta.,.beta.'-dioxo- **108247-78-5**,  
4',4'''-Bi[2-furanpropionanilide], .beta.,.beta.'-dioxo-  
(substantivity of)  
RN 102007-52-3 CAPLUS  
CN 2-Furanpropionamide, N,N'-p-phenylenebis[.beta.-oxo- (6CI) (CA INDEX NAME)

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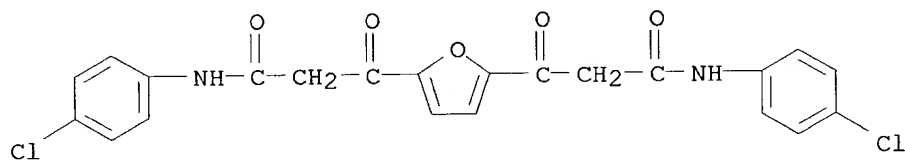
RN 102704-78-9 CAPLUS

CN 2,5-Furandipropionanilide, .beta.,.beta.'-dioxo- (6CI) (CA INDEX NAME)



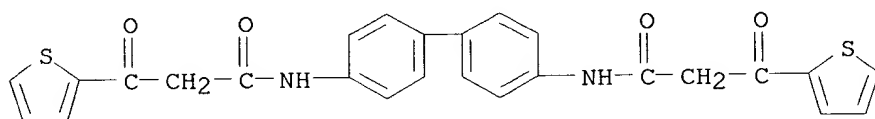
RN 103503-56-6 CAPLUS

CN 2,5-Furandipropionanilide, 4',4''-dichloro-.beta.,.beta.'-dioxo- (6CI)  
(CA INDEX NAME)



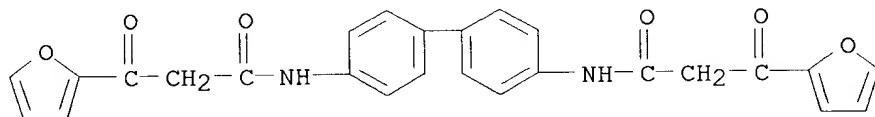
RN 108247-77-4 CAPLUS

CN 4',4'''-Bi[2-thiophenepropionanilide], .beta.,.beta.'-dioxo- (6CI) (CA INDEX NAME)



RN 108247-78-5 CAPLUS

CN 4',4'''-Bi[2-furanpropionanilide], .beta.,.beta.'-dioxo- (6CI) (CA INDEX NAME)

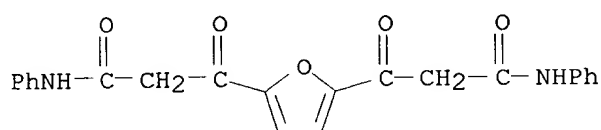


L5 ANSWER 393 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1959:102777 CAPLUS

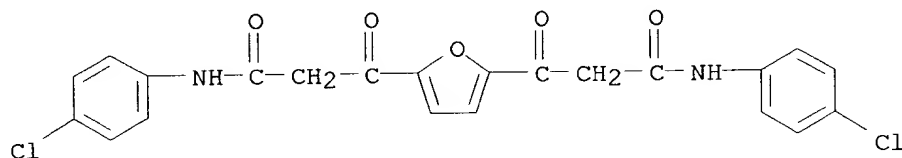
09/817,374

V. Balasubramanian

DN 53:102777  
OREF 53:18493i,18494a-b  
TI Researches on the substantivity of the acylacetarylides. III  
AU Cordella, G.  
CS Univ. Bologna, Italy  
SO Boll. sci. fac. chim. ind., Bologna (1958), 16, 117-21  
DT Journal  
LA Unavailable  
IT **102704-78-9**, 2,5-Furandipropionanilide, .beta.,.beta.'-dioxo-  
**103503-56-6**, 2,5-Furandipropionanilide, 4',4''-dichloro-  
.beta.,.beta.'-dioxo-  
(substantivity of)  
RN 102704-78-9 CAPLUS  
CN 2,5-Furandipropionanilide, .beta.,.beta.'-dioxo- (6CI) (CA INDEX NAME)

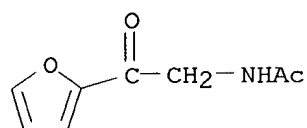


RN 103503-56-6 CAPLUS  
CN 2,5-Furandipropionanilide, 4',4''-dichloro-.beta.,.beta.'-dioxo- (6CI)  
(CA INDEX NAME)

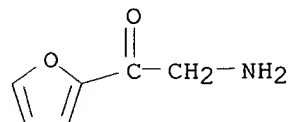


L5 ANSWER 394 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1959:99774 CAPLUS  
DN 53:99774  
OREF 53:17993d-i,17994a  
TI Syntheses in the methyl 2-furyl ketone series. III. Aminomethyl 2-furyl  
ketone and derivatives  
AU Saldabols, N.; Hillers, S.  
SO Latvijas PSR Zinatnu Akad. Vastis (1959), (No. 1), 77-85  
DT Journal  
LA Unavailable  
IT **88352-96-9**, Acetamide, N-(2-furoylmethyl)- **98140-61-5**,  
Ketone, aminomethyl 2-furyl  
(and derivs.)  
RN 88352-96-9 CAPLUS  
CN Acetamide, N-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

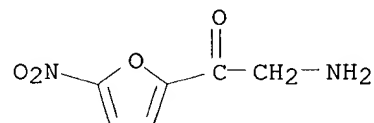
V. Balasubramanian



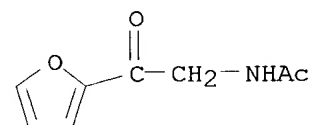
RN 98140-61-5 CAPLUS  
CN Ketone, aminomethyl 2-furyl (6CI) (CA INDEX NAME)



IT **98197-92-3**, Ketone, aminomethyl 5-nitro-2-furyl  
(prepn. of)  
RN 98197-92-3 CAPLUS  
CN Ketone, aminomethyl 5-nitro-2-furyl (6CI) (CA INDEX NAME)



L5 ANSWER 395 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1959:83367 CAPLUS  
DN 53:83367  
OREF 53:15039b-i,15040a-d  
TI Synthesis in the series of 2-acetylfuran  
AU Saldabols, N.; Hillers, S.  
SO Voprosy Ispol'zovan. Pentozansoderzhashchego Syr'ya, Trudy Vsesoyuz.  
Soveshchaniya, Riga (1958), Volume Date 1955 379-91  
DT Journal  
LA Unavailable  
IT **88352-96-9**, Acetamide, N-(2-furoylmethyl)- **98140-61-5**,  
Ketone, aminomethyl 2-furyl  
(and derivs.)  
RN 88352-96-9 CAPLUS  
CN Acetamide, N-[2-(2-furanyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

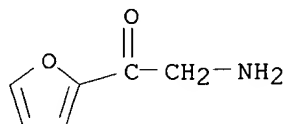


RN 98140-61-5 CAPLUS

09/817,374

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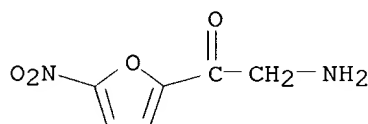
CN Ketone, aminomethyl 2-furyl (6CI) (CA INDEX NAME)



IT **98197-92-3**, Ketone, aminomethyl 5-nitro-2-furyl  
(prepn. of)

RN 98197-92-3 CAPLUS

CN Ketone, aminomethyl 5-nitro-2-furyl (6CI) (CA INDEX NAME)



L5 ANSWER 396 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1959:9277 CAPLUS

DN 53:9277

OREF 53:1719d-i,1720a

TI Studies of furoyl azo dyes. VII. Derived from furoylacetarylides

AU Cerniani, A.

CS Univ. Bologna, Italy

SO Boll. sci. fac. chim. ind., Bologna (1957), 15, 72-4

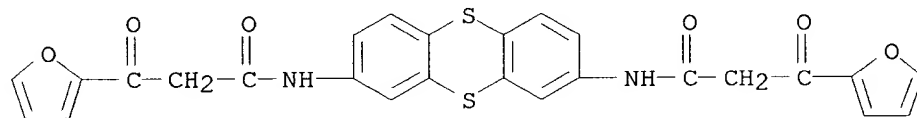
DT Journal

LA Unavailable

IT **122472-46-2**, 2-Furanpropionamide, N,N'-2,8-  
thianthrenediylbis[.beta.-oxo-  
(prepn. of)]

RN 122472-46-2 CAPLUS

CN 2-Furanpropionamide, N,N'-2,8-thianthrenediylbis[.beta.-oxo- (6CI) (CA  
INDEX NAME)



L5 ANSWER 397 OF 409 CAPLUS COPYRIGHT 2003 ACS

AN 1959:9276 CAPLUS

DN 53:9276

OREF 53:1718g-i,1719a-d

TI Studies of furoyl azo dyes. VI. Derived from thianthrene

AU Cerniani, A.

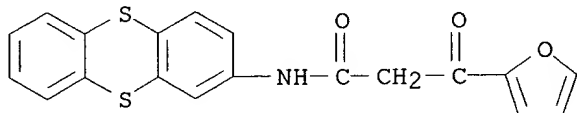
CS Univ. Bologna, Italy

SO Boll. sci. fac. chim. ind., Bologna (1957), 15, 69-71

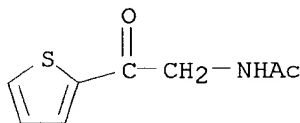
DT Journal

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LA Unavailable  
IT **109599-49-7**, 2-Furanpropionamide, .beta.-oxo-N-2-thianthrenyl-  
(prepn. of)  
RN 109599-49-7 CAPLUS  
CN 2-Furanpropionamide, .beta.-oxo-N-2-thianthrenyl- (6CI) (CA INDEX NAME)

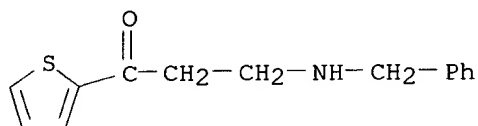


L5 ANSWER 398 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1959:2023 CAPLUS  
DN 53:2023  
OREF 53:330f-h  
TI Condensation of formaldehyde with 2-acetamidoacetylthiophene and .omega.-acetamidoacetophenone  
AU Dann, Otto; Gotz, Benedickt  
SO Z. Naturforsch. (1957), 12b, 191-4  
DT Journal  
LA Unavailable  
IT **6660-07-7**, Acetamide, N-2-thenoylmethyl-  
(condensation with HCHO)  
RN 6660-07-7 CAPLUS  
CN Acetamide, N-(2-thenoylmethyl)- (6CI, 7CI, 8CI) (CA INDEX NAME)



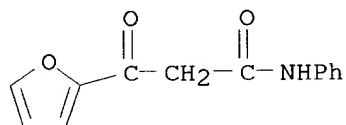
L5 ANSWER 399 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1958:61218 CAPLUS  
DN 52:61218  
OREF 52:11067a-i  
TI Ketonic Mannich bases and the products of their reduction and bromination  
AU Nobles, Lewis W.; Burckhalter, J. H.  
CS Univ. of Kansas, Lawrence  
SO J. Am. Pharm. Assoc., Sci. Ed. (1958), 67, 77-81  
DT Journal  
LA Unavailable  
IT **108245-96-1**, 1-Propanone, 3-benzylamino-1-(2-thienyl)-,  
hydrochloride  
(prepn. of)  
RN 108245-96-1 CAPLUS  
CN 1-Propanone, 3-benzylamino-1-(2-thienyl)-, hydrochloride (6CI) (CA INDEX NAME)





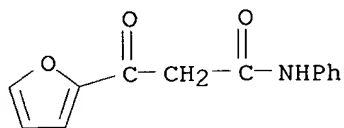
● HCl

L5 ANSWER 400 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1958:55865 CAPLUS  
DN 52:55865  
OREF 52:10057i,10058a-c  
TI Monoazo substances from furoylacetanilides and .beta.-naphthothiazole  
AU Farina, E.; Marziano, N.  
CS Univ. Sassari, Italy  
SO Boll. sedute accad. Gioenia sci. nat. Catania [4] (1957), 3, 460-5  
DT Journal  
LA Unavailable  
IT **23059-04-3**, 2-Furanpropionanilide, .beta.-oxo-  
(derivs., reaction with naphtho[1,2-d]thiazole)  
RN 23059-04-3 CAPLUS  
CN 2-Furanpropionanilide, .beta.-oxo- (6CI, 8CI) (CA INDEX NAME)

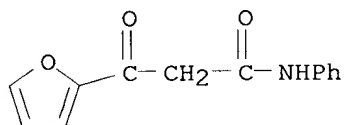


L5 ANSWER 401 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1958:55864 CAPLUS  
DN 52:55864  
OREF 52:10057d-i  
TI Thiazoles. XXXV. A new synthesis of thiazole-2-aldehydes  
AU Beyer, Hans; Hess, Ulrich; Liebenow, Walter  
CS Univ. Greifswald, Germany  
SO Chem. Ber. (1957), 90, 2372-8  
DT Journal  
LA Unavailable  
IT **23059-04-3**, 2-Furanpropionanilide, .beta.-oxo-  
(derivs., reaction with naphtho[1,2-d]thiazole)  
RN 23059-04-3 CAPLUS  
CN 2-Furanpropionanilide, .beta.-oxo- (6CI, 8CI) (CA INDEX NAME)

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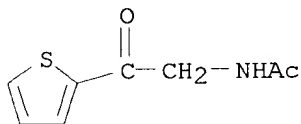


L5 ANSWER 402 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1958:55844 CAPLUS  
DN 52:55844  
OREF 52:10048d-g  
TI New monoazo compounds from furoyl acetarylides. II  
AU Cerniani, Ado  
CS Univ. Bologna, Italy  
SO Ricerca Sci. (1956), 26, 2404-8  
DT Journal  
LA Unavailable  
IT **23059-04-3**, 2-Furanpropionanilide, .beta.-oxo-  
(azo derivs.)  
RN 23059-04-3 CAPLUS  
CN 2-Furanpropionanilide, .beta.-oxo- (6CI, 8CI) (CA INDEX NAME)

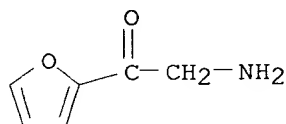


L5 ANSWER 403 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1958:50852 CAPLUS  
DN 52:50852  
OREF 52:9209b-e  
TI Racemic threo-1-(5-nitro-2-thienyl)-2-dichloroacetyl amino-1,3-propanediol  
IN Gailliot, Paul; Baget, Jean  
PA Societe des usines chimiques Rhone-Poulenc  
DT Patent  
LA Unavailable  
FAN.CNT 1

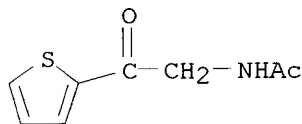
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 1040563		19531016	FR	
IT	<b>6660-07-7</b> , Acetamide, N-2-thenoylmethyl- (prepn. of)				
RN	6660-07-7	CAPLUS			
CN	Acetamide, N-(2-thenoylmethyl)- (6CI, 7CI, 8CI) (CA INDEX NAME)				



L5 ANSWER 404 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1958:26716 CAPLUS  
DN 52:26716  
OREF 52:4849h-i,4850a-b  
TI Pharmacological investigation of some new furan derivatives. I.  
Pharmacological characteristics of tertiary and quaternary aminomethyl  
2-furyl ketones and dialkylsulfoniummethyl 2-furyl ketones  
AU Ratenbergs, N.  
CS Inst. Exptl. Med., Acad. Sci. Latvian S.S.R., Riga  
SO Latvijas P S R Zinatnu Akad. Vestis (1957), (No. 8), 117-26  
DT Journal  
LA Russian  
IT **98140-61-5**, Ketone, aminomethyl 2-furyl  
(pharmacology of)  
RN 98140-61-5 CAPLUS  
CN Ketone, aminomethyl 2-furyl (6CI) (CA INDEX NAME)



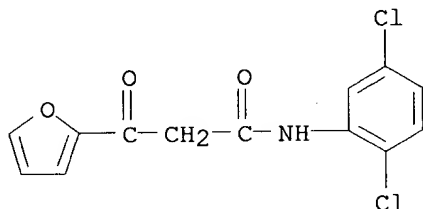
L5 ANSWER 405 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1958:15724 CAPLUS  
DN 52:15724  
OREF 52:2826f-i,2827a-h  
TI Condensation of phenolic ethers with aliphatic aldehydes. VII.  
Condensation of methylenecatechol with formaldehyde and acetaldehyde  
AU Garofano, Torquato; Oliverio, Aleardo  
CS Univ. Palermo, Italy  
SO Ann. chim. (Rome) (1957), 47, 896-911  
DT Journal  
LA Unavailable  
IT **6660-07-7**, Acetamide, N-2-thenoylmethyl-  
(condensation with HCHO)  
RN 6660-07-7 CAPLUS  
CN Acetamide, N-(2-thenoylmethyl)- (6CI, 7CI, 8CI) (CA INDEX NAME)



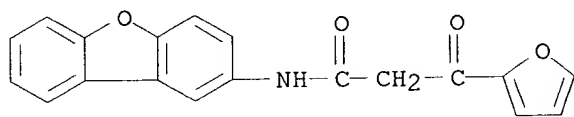
L5 ANSWER 406 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1957:88091 CAPLUS  
DN 51:88091  
OREF 51:15951h-i,15952h-i,15953a-b  
TI Monoazo dyes from furoylacetarilides and dibenzofuran. III

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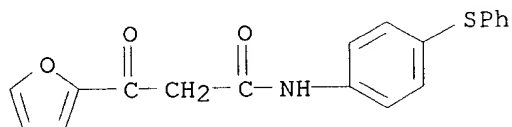
AU Cerniani, Ado; Cordella, Giovanni  
CS Univ. Bologna, Italy  
SO Ricerca sci. (1956), 26, 2721-5  
DT Journal  
LA English  
IT **96460-14-9**, 2-Furanpropionanilide, 2',5'-dichloro-.beta.-oxo-  
**110571-47-6**, 2-Furanpropionamide, N-3-dibenzofuranyl-.beta.-oxo-  
(prepn. of)  
RN 96460-14-9 CAPLUS  
CN 2-Furanpropionanilide, 2',5'-dichloro-.beta.-oxo- (6CI) (CA INDEX NAME)



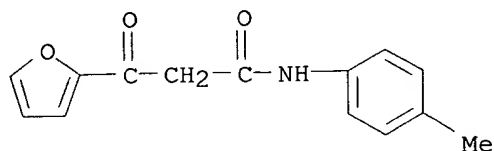
RN 110571-47-6 CAPLUS  
CN 2-Furanpropionamide, N-3-dibenzofuranyl-.beta.-oxo- (6CI) (CA INDEX NAME)



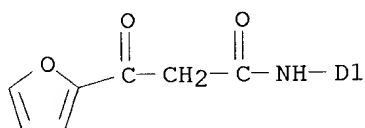
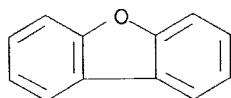
L5 ANSWER 407 OF 409 CAPLUS COPYRIGHT 2003 ACS  
AN 1957:83727 CAPLUS  
DN 51:83727  
OREF 51:15133e-h  
TI Furoyl developed azo dyes  
AU Cerniani, V. Ado; Cordella, Giovanni  
CS Univ. Bologna, Italy  
SO Ricerca sci. (1956), 26, 3352-6  
DT Journal  
LA Unavailable  
IT **101895-46-9**, 2-Furanpropionanilide, .beta.-oxo-4'-(phenylthio)-  
**109312-85-8**, 2-Furanpropiono-p-toluidide, .beta.-oxo-  
(prepn. of)  
RN 101895-46-9 CAPLUS  
CN 2-Furanpropionanilide, .beta.-oxo-4'-(phenylthio)- (6CI) (CA INDEX NAME)



RN 109312-85-8 CAPLUS  
CN 2-Furanpropiono-p-toluidide, .beta.-oxo- (6CI) (CA INDEX NAME)



L5 ANSWER 408 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1957:45336 CAPLUS  
 DN 51:45336  
 OREF 51:8439d-f  
 TI Color reactions of the vat dyes, mainly of polycondensed systems and their derivatives in sulfuric acid. I. The basicity of the carbonyl group of polycondensed aromatic quinones in sulfuric acid  
 AU Handa, Takashi; Kobayashi, Michio  
 CS Tokyo Univ.  
 SO Yuki Gosei Kagaku Kyokai Shi (1955), 13, 580-90  
 DT Journal  
 LA Unavailable  
 IT **111006-81-6**, 2-Furanpropionamide, N-dibenzofuranyl-.beta.-oxo- (azo dyes from)  
 RN 111006-81-6 CAPLUS  
 CN 2-Furanpropionamide, N-dibenzofuranyl-.beta.-oxo- (6CI) (CA INDEX NAME)



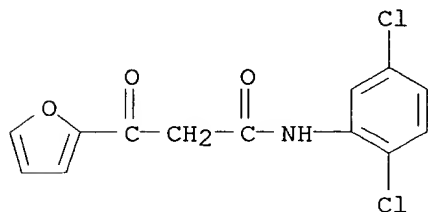
L5 ANSWER 409 OF 409 CAPLUS COPYRIGHT 2003 ACS  
 AN 1957:45335 CAPLUS  
 DN 51:45335  
 OREF 51:8439b-d  
 TI Preparation of monoazo dyes from furoylacetarylides and dibenzothiophene or dibenzothiophene sulfone  
 AU Cerniani, Ado  
 CS Univ. Bologna, Italy  
 SO Ricerca sci. (1956), 26, 3089-92  
 DT Journal  
 LA Unavailable  
 IT **96460-14-9**, 2-Furanpropionanilide, 2',5'-dichloro-.beta.-oxo-  
**100537-65-3**, 2-Furanpropionamide, N-2-benzothiazolyl-.beta.-oxo-  
**107419-51-2**, 2-Furanpropionamide, N-2-naphthyl-.beta.-oxo-  
**109312-85-8**, 2-Furanpropiono-p-toluidide, .beta.-oxo-

V. Balasubramanian

**111006-81-6**, 2-Furanpropionamide, N-dibenzofuranyl-.beta.-oxo-  
(azo dyes from)

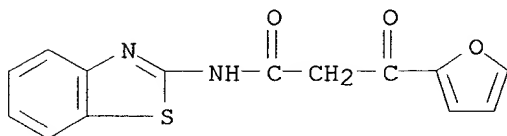
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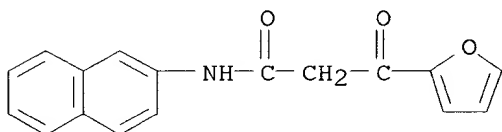
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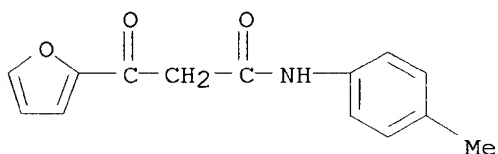
RN 107419-51-2 CAPLUS

CN 2-Furanpropionamide, N-2-naphthyl-.beta.-oxo- (6CI) (CA INDEX NAME)



RN 109312-85-8 CAPLUS

CN 2-Furanpropiono-p-toluidide, .beta.-oxo- (6CI) (CA INDEX NAME)



RN 111006-81-6 CAPLUS

CN 2-Furanpropionamide, N-dibenzofuranyl-.beta.-oxo- (6CI) (CA INDEX NAME)